EMIST and DRUGGIST MAY 6, 1944

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

lished 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3352
CXLI MAY 6, 1944 Annual Subscription (with Diary) 25/-. Single Copies 9d.

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WRIGHT, LAYMAN & UMNEY
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SOUTHWARK STREET · LONDON, S.E.1 · HOP 2315

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TAKA-DIASTASE

PARKE, DAVIS & CO. wish to announce that they now have supplies of Taka-Diastase, and that the following products are available:—

Taka-Diastase Tablets 2½ grains

Taka-Diastase & Pepsin Compound Tablets

Taka-Diastase, Pepsin & Pancreatin Tablets (C.C.T. 296)

Each of the above tablets is supplied in bottles of 25 and 100.

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In bottles of 4 and 16 fluid ounces.

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In bottles of 4 and 16 fluid ounces.

Takazyma

In jars containing approximately 2 ounces.

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It's advertised as a Chemist's Line

Elasto

REGISTERED

The Wonder Tablet

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(Original letters have been seen by a representative of "The Chemist and Druggist")

Varicose Veins

"As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon.

AP 1180. —— R. P.

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AT 1108. —— F. T.

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"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263. —— E. H.

THESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

Recommend 'Elasto'—and a satisfied customer will recommend You!

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A GENEROUS PROFIT

Retail Price 5/- per pkt.
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Wholesale 42/- per doz.
* Including purchase tax.

PATA

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DEPT. R

CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

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Thanks – *a million*

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We know what the transport people say—BUT PLEASE KEEP ON TRYING, for the situation may ease at any time.

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Thank you for what you have done—and for the bit extra we now ask of you.

Ribena
BLACKCURRANT SYRUP

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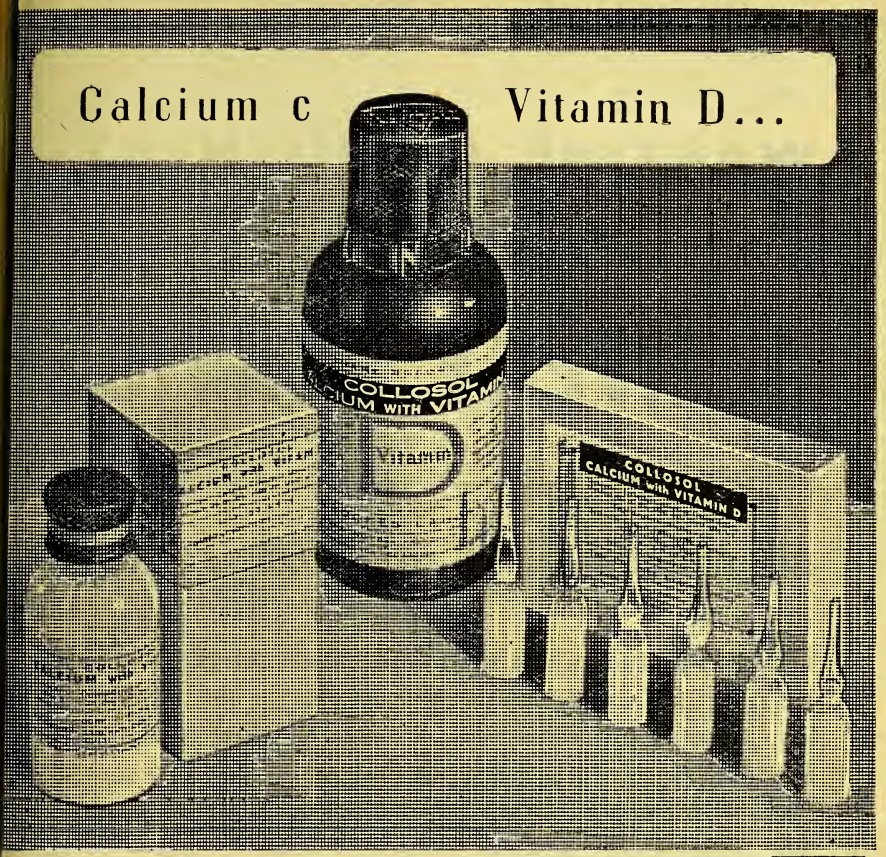
Calcium c Vitamin D...



P.A.T.A.

Calcium is of paramount importance and although present in the blood serum only to the extent of 10 mg. per 100 c.c. the maintenance of this level is vital and a small daily intake of calcium is necessary to ensure it.

Equally important with the supply of calcium is Vitamin D as without it calcium cannot be absorbed. Failure to absorb calcium due to lack of Vitamin D is the cause of rickets and also accounts for many cases of debility and tetany.

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WITH VITAMIN D

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P.A.T.A.

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& EVERY DESCRIPTION OF MEDICAL PRINTING

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Special terms are available for hospital packs.

CALFOS LTD.
IMPERIAL HOUSE
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The 'Clinbritic' Vaccine Bottle

Patent No. 492200

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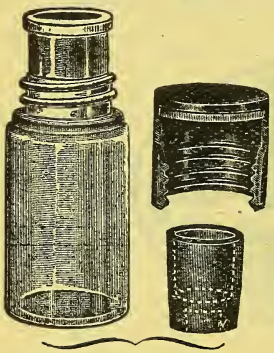

Assembly Details

A new type of Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.
No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.
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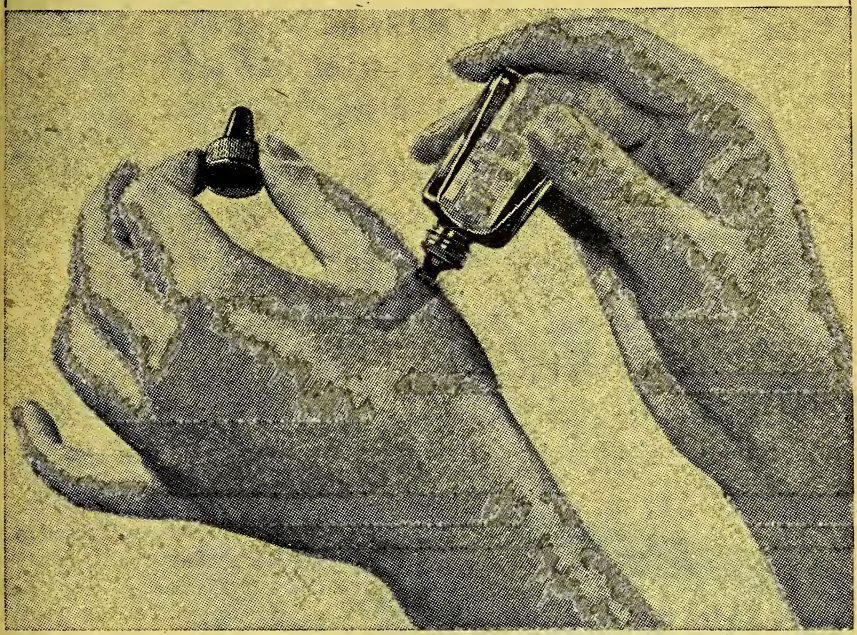

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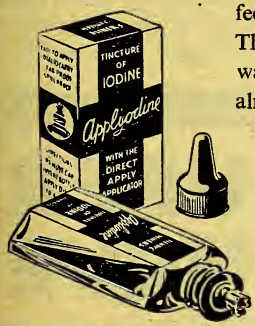

British Patent No. 494991

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SPILL-PROOF

MINER'S

Applyodine

TRADE MARK

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1/10 4 oz. Jar
Terms on application

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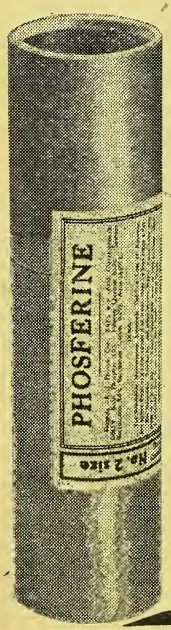

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VETERINARY } Products
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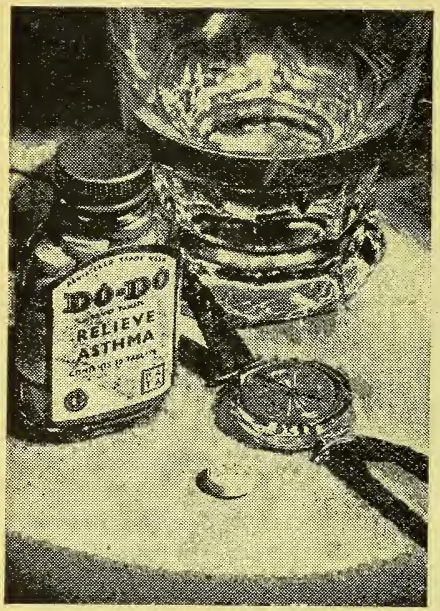

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LINTHWAITE · HUDDERSFIELD

T.R.126

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No. 33

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And there the tortoise hung her coat of mail ;
Not far from some large shark's devouring head
The flying fish their finny pinions spread.
Aloft in rows large poppy-heads were strung
And, near, a scaly alligator hung.
In this place drugs in musty heaps decayed,
In that dried bladders and drawn teeth were laid."

DR. SAMUEL GARTH.

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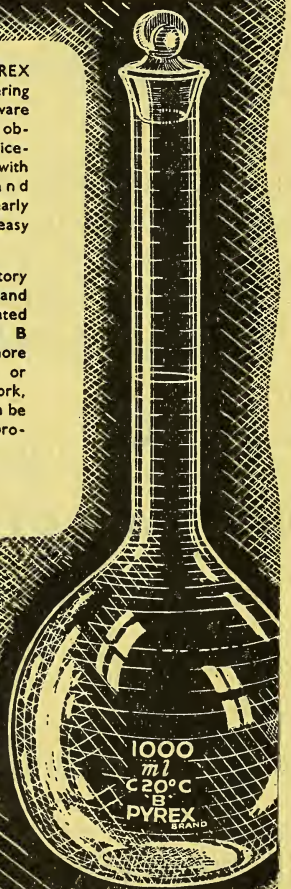

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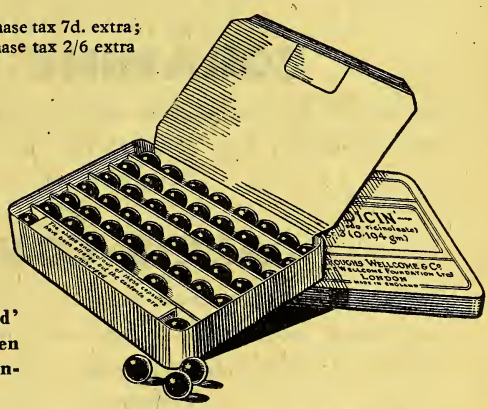

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NEWS OF THE WEEK

Increased Olive Oil Supplies.—It is under-od that increased quantities of olive oil e being made available for supply against ctors' prescriptions.

Sweets Ration Unchanged.—There is ain no change in the amount of the eets and chocolate ration or value of rsonal points coupons. Ration period o. 11 began on April 30.

Statutory Committee Meeting.—The Sta-tory Committee of the Pharmaceutical ciety will meet at 2 p.m. on May 10 and .30 a.m. on May 11 to consider informa-n and evidence from which it appears at two members of the Society were nvicted of stealing; and three bodies rporate were convicted of offences under e Pharmacy Acts.

Revised War-damage Pamphlet.—The ar Damage Commission has taken advan-ge of the need for reprinting the explanatory mphlet C.1/A to set out the changes sulting from the War Damage (Amend-ent) Acts passed since 1941 and a recent easury direction. In a number of other respects the advice has been rendered more clear and up to date, and a statement has been added on the rights of tenants under the Landlord and Tenant War Damage Acts, 1939 and 1941.

Road Transport Order.—From May 22 practically all long-distance movements of general traffic by road are being arranged through the Ministry of War Transport road haulage organisation. Movements of gen-eral traffic for distances of sixty road miles or more, otherwise than under the organisa-tion, are limited by the Road Transport of Goods Order, 1944, but parcels, "smalls," and abnormal indivisible loads are among classes exempted from operation of the Order. Any operator desiring a permit should apply to the appropriate district transport officer.

Photographic Supplies Return Required.—The Board of Trade has issued an Order, dated April 26, requiring persons listed at January 31 on the Home Trade Register for controlled goods of certain classes (including Class 12, photographic goods) to make a

return on form Misc./19, giving among other things the value of controlled goods supplied during the standard period (June 1, 1939, to May 31, 1941) and during the restriction period (August 1, 1943, to January 31, 1944). A copy of the form is being sent to each person concerned, but any trader who does not receive his copy by May 6 should apply immediately to the Chief Accountant, Miscellaneous Section, Northgate, Prince Albert Road, London, N.W.8.

Worcester Dispensary.—Prescriptions dispensed at the Worcester Dispensary in 1943 numbered 30,535, against 28,955 in 1942.

Chemical Industry Expansion in Scotland.—Speaking before the Scottish Trade Union Congress at Dunoon, recently, the Secretary of State for Scotland (Mr. Thomas Johnston) stated, among other things, that new industries opened up in Scotland since the war included a factory for the production of mepacrine, aluminium materials and chemical works.

Merchant Navy Donation.—The Merchant Navy Comforts Service has received a donation of £5 2s. 10d. sent by Mr. G. A. Starling (joint managing director of Lewis & Burrows, Ltd., chemists, 146 Holborn Bars, London, E.C.) which represents a month's collection taken in M.N.C. Service boxes placed on weighing machines in the company's branches.

Relief from Corrosive after Twenty-five Years.—At the annual meeting of the Birmingham United Hospital, recently, the chairman gave an account of an operation that had been carried out upon a woman of twenty-nine at the Queen Elizabeth Hospital, as a result of which a new gullet had been constructed, linked with the stomach and finally connected with the lower part of the throat, thus remedying a complete stricture of the gullet caused twenty-five years earlier when, as a child, the woman swallowed some corrosive liquid.

N.P.U. Wages Questionnaire.—Prior to deciding what action it will take when the question of wages comes before the Joint Industrial Council for Retail Pharmacy, the National Pharmaceutical Union has sent out a questionnaire to branches asking for the views of members. The questions asked deal with whether there should be fixed scales of wages for all employees or a minimum wage in each class; whether there should be equal pay for men and women; whether rates in London should be higher than in the provinces; hours of work; overtime; holidays; sickness pay, etc. Branches are being asked to discuss these matters at meetings.

Eastbourne Supports Pharmacy Commission.—A meeting of the Eastbourne Pharmacists' Association held on April 13, agreeing that remuneration under the National Health Service was totally inadequate, and that the Ministry of Health did not realise the value of the service rendered, recommended the formation of a Pharmaceutical Commission, from the Pharmaceutical Society and National Pharmaceutical Union, to control all pharmaceutical matters. Dispensing and the supply of drugs, medicines and appliances required by out-patients attending hospitals, health centres, or clinics, should be dealt with by pharmacists by means of prescriptions.

Linking Research with Industry.—In an address to the Manchester Chamber of Commerce recently, Mr. A. P. M. Fleming declared that the weakest link in the problem of raising standards of living in this country occurred between the industrial research worker, whose job is to find useful applications of new knowledge, and the industrialist, who should appreciate and approve their commercial value. That link must be strengthened at both ends. Small firms as well as large should record and give authority to officers qualified by technical training to take full and prompt advantage of the fruits of research, while the research worker must train to give service in a way that made his help welcome.

Dublin Chemists' Football.—A meeting held in Dublin on April 20 to form a Chemists' Gaelic Football Club was presided over by Mr. P. C. Cahill, with Messrs. C. J. Cremen (president, Pharmaceutical Society of Ireland), J. D. Tooher, Peter Rosney, and C. Ward as promoters. Messrs. Brennan (chairman, Dublin County Board of the Gaelic Athletic Association), and Bob Freeman (secretary) were also present. It was agreed to form a provisional committee, which was entrusted with the preliminary arrangements. All interested should communicate with the secretary of the provisional committee (Mr. Peter Rosney, c/o Dargan's Pharmacy, 19 Berkeley Street, Dublin).

Cancer Research Report.—Dr. W. E. Gye (Director, Imperial Cancer Research Fund), in his annual report presented in London, stated that, despite the "well-known fact in human beings that mammary cancer may end in death in a year or in twenty

ears," it was still common to find claims f beneficial effects based on observations n a few patients who were believed to ave survived a longer time than would ave been possible without the treatment. The control in such observations appears o be an unfounded belief in the mind of he observer that cancer always progresses t the same rate." Dr. Gye described the reatment of cancer of the prostate gland y the administration of diethylstilboestrol, the most important contribution to hemotherapy in cancer so far made."

Women Pharmacists' New Rule.—The nnual meeting of the National Association f Women Pharmacists was held on April 7. The president (Miss M. C. Islip) told f progress made during the year, and urged nembers to take a live interest in pharmaeutical affairs. Encouraging reports were resented by the treasurer and the employnent secretary. Miss Frances B. Prince (a ast-president of the Nottingham Branch) vas welcomed as a new member of the ommittee. A new rule, making provision or the representation of branches on the nain committee, was accepted. Miss H. Perry (president, Manchester Branch) gave summary of eight meetings held there uring the year, and the activities of the Nottingham Branch were reviewed by Miss I. A. Burr (chairman) and Miss D. M. Bentley (secretary), who expressed the hope hat the services of women would be used n committees of local branches of the Pharmaceutical Society and on Pharmaeutical War Committees. Messages from Leicester and Newcastle were read.

Presentation to Secretary at Conway.—The annual meeting of the Anglesey, N. Carnarvonshire and Colwyn Bay Branch f the Pharmaceutical Society was held t Conway on April 19, when the following fficers were elected: *President*, Mr. M. W. Lloyd, Colwyn Bay; *Vice-president*, Mr. A. E. Pughe, Llanfairfechan; *Treasurer* (re-elected), Mr. Gwilym Hughes, Conway; *Secretary*, Mr. T. Noel Dixon, 30 High Street, Bangor (re-elected for the ninth successive year). As a token of the esteem n which Mr. Dixon is held, and in appreiation of his services, a cheque was preented to him by the treasurer on behalf f the members. The proposals set out in he White Paper on the post-war medical ervices were considered, and the hope was xpressed that a scale of salaries to be paid o qualified assistants would be fixed before he remuneration paid to chemists for ublic health work was decided upon, and also that a clearer interpretation of the phrase "24-hour service" should be given, it being felt that, if a pharmacist had to arrange to be at his pharmacy during the whole period, irrespective of whether he received prescriptions or not, some retention fee should be demanded. The president, treasurer and secretary were delegated to attend the Branch Representatives' meeting.

Society's Vice-president at Harrow.—At the annual meeting of the Harrow Branch of the Pharmaceutical Society, held on April 20, Mr. J. M. Atkinson in the chair, the following officers were elected: *Chairman*, Mr. J. M. Atkinson; *Vice-chairman*, Miss M. C. Islip; *Secretary*, Mr. J. F. McNeal, Little Chalfont, Amersham Common; *Treasurer*, Mr. F. J. Conduit; *Auditor*, Mr. G. H. Sumner; *Committee*, Misses M. E. Plear and D. I. Morgan, Messrs. B. D. Cameron, H. H. Foulds, R. Goode, P. Robson, Robinson and H. W. Tomski. THE VICE-PRESIDENT of the Society (Mr. F. G. Wells) spoke on the alternatives for pharmacy under a National Health scheme, namely a State service in health centres or an improved system of dispensing in existing pharmacies. There were something like 14,000 chemists in business, he said, and they had given a good service under the National Health Insurance Acts. The present system had not been adequately paid for. Chemists were more than ordinary traders and should give a professional service. Under any scheme a pharmacist should be able to open a pharmacy, but not necessarily to enter into the scheme without permission. No discussion, declared the speaker, had taken place on remuneration at any Council or joint committee meetings. Dispensing should be a separate charge, and should pay for itself. The Council had agreed that members in the Forces should have their fees cancelled, and this meant about £4,000 annually lost to the Society. MR. F. J. CONDUIT moved a vote of thanks to Mr. Wells; this was seconded by MR. TOMSKI and carried.

C. & D. QUIZ NO. 27

1. What is trinity ointment?
2. What is essence de genièvre?
3. What is timbo?
4. What is diacetyl?
5. What is blue cohosh?
6. What is serenoa?
7. What are ground nuts?
8. What are perpolitiones oryzæ?
9. What are the uses of magnesium trisilicate?
10. What is cathartic salt?

(*Answers on p.* 502)

ACETANILIDE IN DRINK HABIT CURE

THE Pharmaceutical Society were the prosecutors in two further summonses (see also *C. & D.*, March 25, p. 328), brought at Birmingham police court on April 25 against the Carlton Chemical Co., Ltd., Birmingham. The charges were of selling, in a preparation known as Dipsocure, a poison (acetanilide) listed in Part I of the Poisons List, contrary to Section 18 (1) A (1) of the Pharmacy and Poisons Act, 1933; and of selling it by retail without giving the name of the poison on the label, without stating the proportion of poison present, and without the word "poisonous." The company pleaded guilty.

No Registered Pharmacist

The prosecution represented that the Carlton Chemical Co. was not an authorised seller of poisons. No registered pharmacist was employed, and for that reason the company was not entitled to sell by retail any Part I poison. The analyst could say that in each tablet there was gr. ½ of acetanilide. Acetanilide was a drug used as an anti-perspirative. There might be many people who benefited from having their body temperature reduced, but other people would probably be considerably harmed by having an anti-perspirative introduced into the system. Some persons were exceedingly susceptible to acetanilide, and often small doses would lead to cyanosis and collapse. It was certainly not the sort of thing to be handed out through the post to anybody who replied to advertisements, whose symptoms were unknown, and who might be susceptible or not. It might be said by the defence that there was nobody in the firm who had any knowledge of the labelling matters which formed the basis of the second charge. If there was anybody in the firm who knew anything about chemistry or pharmacy he should have known better than to have sold the article at all, or sold it in that way. If there was nobody, then it was a little odd that the firm should be selling articles of that potency.

"Nearly" the Same Offence

For the defendants it was urged as an old adage of law that nobody should be brought before a court twice for the same offence, and it nearly applied in that case. On March 14 the company was before the court on other summonses, and on that occasion, before the summonses were heard, the defence were asked whether they would receive the summons now before the court and have them dealt with at that time. Counsel was then in a difficult position, because he had to ask his clients if they were prepared to answer the summonses at short notice, and it was thought best to have them deferred. At the end of the cases, in which they pleaded guilty, the Bench inflicted a rather heavy fine, totalling, with costs, £61 10s. He (counsel) was not complaining that they were in court again, but he wished to stress the fact that, except for the two summonses before the court and the offences dealt with on March 14, the company had never had any sort of proceedings brought against them.

The rather lugubrious picture drawn by the prosecution as to what might happen if anyone received a wrong dose was the greatest point in the defence, for the company had been in existence since 1923, and there never had been a single complaint of any of the things which it had been said were likely to happen. On the contrary they had testimonials from people who had been cured of addiction to drinking or smoking too much. Since the company had been apprised of the fact that acetanilide was not mentioned on the label, the directors had had labels printed bearing the word anti-febrine. Directly it was pointed out that what the company was doing was a breach of the law, the article had at once been withdrawn and not sold since.

The chairman: You mean the Dipsocure?

Defending counsel (Mr. Churchill): Yes. That may mean that if we issue Dipsocure we shall issue it without this constituent.

Proportion of Acetanilide Present

Prosecuting counsel: And, I suppose, the old testimonials which relate to Dipsocure?

D.C.: I don't think that is necessary.

Chairman: But you have withdrawn it?

D.C.: Yes, we have withdrawn it. . . . I am told, finally, that the acetanilide was only an infinitesimal part of the ingredients of Dipsocure.

Prosecuting counsel: One half-grain. That is not infinitesimal. The tablets only weigh about five grains each. One half-grain would be 10 per cent.

The chairman, after a retirement, said they had taken the summonses that day on their own merits; they fined the company £25 on each summons, with £5 costs on the first.

Save that Paper.—Every R.A.F. unit has a salvage officer. So has every pharmacy—*you!*

TOPICAL REFLECTIONS

ndustrial Welfare

Your appreciation of Lord Trent's impor-ant and heartening pronouncement on ndustrial welfare (p. 473) leaves little to e said. Yet, in thanking this captain of ndustry, a brief comment from the point f view of the private citizen may be ven-ured. For several years past I have been erturbed by the lack of responsibility to he community evident from time to time n industrial disturbances. The late John Galsworthy's "Strife" is a brilliant presen-ation of certain aspects of this problem, but does not contribute to its solution: nor s it the function of a dramatist to attempt ny such contribution. What of the future? One of the most hopeful factors in the ituation is the part that our great indus-rial houses have taken and are taking in nsuring stability in relations between mployers and employed, each business hus becoming a nucleus of purposeful and armonious working. Looking back over he past century, we may fairly say that Darwin, Huxley and Herbert Spencer mphasised, each in his own manner, the truggle for the survival of the fittest with-ut full regard to what may be called the ommunity instinct. In this vital matter eading industrialists are setting a notable xample. It may be worth their while to onsider how the implications of this better pirit in industry can be conveyed to the eneral public. Present-day publicity takes nany forms and is capable of much: can t not be applied to this social question? A minor point is that the average worker s in no need of "coddling."

Cancer Research

Everyone who has had first-hand experi-nce of a cancer case (and many who have not) will read with deep interest the article by Mr. J. H. Thompson on pp. 466–67. When it is understood that, in his opening words, "The use of H.11 extract in the treatment of malignant conditions consti-utes a new type of approach to the problem of cancer," the value of his lucid account of clinical research with this substance will be obvious. Medical history contains only too many records of false hopes of the suc-cessful treatment of this distressing disease. In your issue of November 7, 1931, the late Mr. Thomas Maben pointed out that the death rate of cancer in this country was steadily increasing, and that in the preced-ing twelve years fatal cases numbered 500,000. I see that in the decade 1931–40 the average total of cancer deaths in England and Wales was 974 per million persons living. Mr. Maben's chief purpose in contributing to your columns was to record hopeful results obtained by injecting pituitrin and theelin. He had previously seen, at the invitation of a Bristol doctor, patients who were being treated with pituitrin alone. The medical practitioner in charge of these patients was well aware that the treatment only delayed the progress of the disease, and went no further than to stress its value in warding off cachexia and as an agent in procuring a remission of the "last sentence." Mr. Maben was hopeful that the step taken in 1931 might point the way to the cure of carcinoma. Much research has been undertaken since then; but the problem continues to baffle the teams of workers engaged upon it.

Supplementary Aims

Of the importance of research in attacking disease there can be no question. The old controversy between the advocates of pure research and the upholders of applied research has, however, become topical again during the past few days through references in Parliament and in the Press. Lecturing to the Manchester Chamber of Commerce recently, Sir Edward Appleton put the matter in its true perspective. He remarked that those who carry out research for its own sake and those who seek utilitarian ends for it are members of the same scientific family, and their efforts are not antagonistic but supplementary. A few days ago I read a letter from a professor complaining that one of his students, on taking up residence in another university, was put on an investigation that to him was uncongenial. The writer made the deduction that specialisation in research is being overdone. But, whether we like it or not, there must be further specialisation as science penetrates more deeply into the secrets of its raw material; and it is difficult to see how teamwork can be carried on without allotting special functions to individual workers. What guiding principle can be found? Surely this, that research, however academic its origin and immediate purpose may be, should be definitely related to something already in existence. If this principle is accepted, there should be no risk of wasted effort. In this matter the beginner may justly allow some weight to the experience of scientists who have spent years in this work.

Xrayser

COMPANY NEWS

North Eastern Chemicals, Ltd. (P.C.).—Capital £5,000. Manufacturers of and dealers in chemicals, colours, etc. Stanley Boyd, director. R.O.: 37 Villiers Street, Sunderland.

Boyd, Lockman, Ltd. (P.C.).—Capital £5,000. Manufacturers of and dealers in chemicals, colours, etc. Stanley Boyd, director. R.O.: 37 Villiers Street, Sunderland.

T. W. Ellis, Ltd. (P.C.).—Capital £500. Wholesale or retail manufacturing, pharmaceutical and general chemists, etc. Amy A. Ellis and Jeffrey S. Freer, M.P.S., directors. R.O.: 121 Grimsby Road, Cleethorpes, Lincs.

G. N. Shackleton, Ltd. (P.C.).—Capital £100. Druggists, herbalists, opticians, etc. George N. Shackleton, Thomas Lawrence, Dr. Robert Sergeant and Ernest C. Baker, M.P.S., directors. R.O.: 502 Great West Road, Lampton.

Nervona, Ltd. (P.C.).—Capital £2,000. Manufacturing chemists, manufacturers of and dealers in proprietary articles, etc. Joseph Thomas, George B. Weatherburn and Harry Humphreys, directors. R.O.: 295 Scotswood Road, Newcastle-on-Tyne.

Lombard Pharmaceuticals, Ltd. (P.C.).—Capital £500. Manufacturers and distributors of medicines, chemists' sundries, etc. Ben Bard, Abraham Bard, H. Yarrow and Benjamin Bard, M.P.S., directors. R.O.: 73 Basinghall Street, London, E.C.2.

Calm-U Manufacturing Co., Ltd. (P.C.).—Capital £100. To acquire the business of the Calm-U Manufacturing Co., medicine manufacturers, 488 Duke Street, Glasgow. Thomas McLean, M.P.S., and William Graham, directors. R.O.: 488 Duke Street, Glasgow.

Geoffrey's (Strood), Ltd. (P.C.).—Capital £500. To acquire the business of a chemist and druggist and optician carried on by W. E. Clarke, of 28 High Street, Strood. William E. Clarke, M.P.S., and Mrs. Maud Edmunds, directors. R.O.: 28 High Street, Strood, Kent.

Milner's Chemical Co., Ltd. (P.C.).—Capital £200. To acquire the business of a wholesale and manufacturing chemist carried on as Milner's Chemical Co., 198 Union Road, Oswaldtwistle, by Emeric A. Eccles. Amy Taylor and Annie Eccles, directors. R.O.: 1 Spring Street, Oswaldtwistle, nr. Accrington.

D. Main Hodgson, Ltd. (P.C.).—Capital £100. To acquire the business of an animal dispensary proprietor and animal food manufacturer, etc., carried on by Florence Boulton at Pall Mall, Hanley, as "D. Main Hodgson." Florence Boulton and David Main Hodgson, directors. R.O.: Fanshawe Brook Farm, Siddington, Chelford, Ches.

Strode Cosh & Penfold, Ltd. (P.C.).—Capital £30,000. To acquire the business of wholesale, retail and manufacturing chemists and opticians carried on at Bristol as Strode Cosh & Penfold. Arthur L. Strode Cosh, M.P.S., Dr. John A. Cosh, Frederick Penfold, M.P.S., and Nellie Penfold, directors. R.O.: 10 Broadmead, Bristol, 1.

PARLIAMENTARY NEWS

No Penicillin Monopoly.—The Minister of Supply, asked on April 26 if he would permit production of penicillin by all firms wishing to manufacture it, said any fears of monopoly in this matter were unfounded.

Penicillin Clinical Trials Committee.—Mr. Attlee, in reply to a question by Mr. H. N. Linstead, announced on April 28 that the name of Dr. C. H. Hampshire should be added to the list previously given of the members of the Penicillin Clinical Trials Committee.

Patents Law Reform.—The appointment of a committee to consider and report whether any, and if so what, changes are desirable in the Patents and Designs Acts, and in the practice of the Patents Office and the Courts in this respect, was announced by the President of the Board of Trade on April 25. The chairman is Mr. Kenneth Swan, K.C.

H.11 Cancer Preparation.—Mr. A. Edwards asked the Minister of Health on April 28 if he had considered the claim submitted to him regarding a cure for cancer known as H.11; and if he had received a report from the Medical Research Council.—Mr. Willink: I have considered and referred to the Medical Research Council the claim made for the preparation known as H.11 in the treatment of cancer. The Medical Research Council take the view that, as the preparation has been available to the medical profession for a considerable time and has already been widely tried, no action on their part is necessary.

TRADE NOTES

Foot-bath Tablets.—Wizard Products, ondon, W.1, are marketing a speciality ootabs for the preparation of baths to ease otsoreness.

Beauty Products.—Charles André & Co., td., London, W.1, invite inquiries relating André beauty products, of which they re the distributors.

Price List.—A new price list of products f British Schering, Ltd., London, W.C.1, now available to chemists. A penny amp must accompany each request.

Canadian Dispensaries.—The illustrations ecently given of modern Canadian dis- ensaries (see *C. & D.*, March 25, pp. 334–5) were reproduced by courtesy of the litor, "Drug Merchandising."

Preparations for the Hair.—Kenrosa, Ltd., ondon, E.5, draw the attention of chemists two of the company's specialities, Dr. Iarr's 6-8-6-B scurf and dandruff lotion nd Everyman's brilliantine hair cream.

Sanitary Towels.—Details of varieties and rices of Camelia soluble sanitary towels, istributed by Chappell, Allen & Co., Ltd., ondon, W.1, appeared in last week's sue of THE CHEMIST AND DRUGGIST.

Dentifrice for Children.—Ashe Labora- ories, Ltd., London, S.W.1, are offering nder the title "Pixie—the kiddies' denti- rice" a strawberry-flavoured block denti- rice, which is available in attractive display artons.

Edible Gum.—For producing odourless nd tasteless gels, stable emulsions and trong mucilages, Brown & Forth, Ltd., ondon, N.W.1, are recommending Hydra- um (edible) in place of agar, tragacanth and ther thickening products.

New Dye Shade.—The range of Tintex lyes (Tintex Dyes, London, W.1) has been xtended to include Nigger shade, thus ringing the number to twenty-five for rdinary home dyeing, including four shades ntended especially for stockings.

Prices Approved.—The Central Commit- ee has approved an arrangement by E. Griffiths Hughes, Ltd., Adelphi, Salford, Manchester, whereby Laxobac tablets will n future be supplied at double the present ize and at the same relative price as that reviously approved.

Self-adhesive Cellulose Tape.—Gordon & Gotch, Ltd., Dept. C.D.1, London, E.C.4, nnounce that they are official distributors of Sellotape self-adhesive cellulose tape for clean, air-tight sealing of packages. Sello- tape can readily be peeled off jars, cans, etc., yet it sticks at touch without requiring heat or moisture.

Medicated Soaps.—The manufacturers announce that a number of Midgley's Medi- soaps are still available through chemists from the distributors, Evans Sons Lescher & Webb, Ltd., Liverpool. Many of these are free from rationing regulations if supplied against the prescription of a registered medical practitioner.

Head-lice Hair Oil.—Cellon Laboratories, Ltd., Kingston-on-Thames, are manufac- turers of Lethane medicated hair oil to the formula given in the National War Formu- lary. The preparation is recommended by the Ministry of Health as a specific for head lice. Further information about the product may be obtained from the makers.

Agents Appointed.—Douglas Walker Pro- ducts, Ltd., 79 Baker Street, London, W.1, announce that they have appointed Johnson Agencies (Proprietaries), Ltd., Clarendon Works, Croydon, to be distributors of two new products: Nocturne non-habit-forming sedative tablets, and Brezy breath-deodo- rant tablets. Bonus terms apply, and show matter is available.

Morphine in Mines.—Exclusive filling rights in the Sescot collapsible tube, fitted with surgical injection needle and plastic moulded cap, and manufactured by Univer- sal Metal Products, Ltd., Salford, Lancs, have been granted to Burroughs Wellcome & Co., London, who are now supplying the pack for use in mines (see *C. & D.*, April 15, p. 406) under the trade name Monoject ampoule syringe.

Plans for Post-war Developments.—C. T. Bowring & Co. (Fish Oils), Ltd., Liver- pool, 3, are inviting offers of plant units suitable for effecting an expansion of the company's activities in the production of medicinal, veterinary and technical pre- parations in Grimsby and Liverpool. Details of the type of plant required are given in an announcement in this issue.

Sulphathiazole Suspension.—Sulfex, a preparation recently issued by Menley & James, Ltd., London, S.E.5, is claimed to combine in a single chemically-stable sus- pension the potent bacteriostatic action of Mickraform sulphathiazole (5 per cent.) and the effective vasoconstriction of Paredrinex (1 per cent.). It is indicated in head colds, sinusitis, sore throat, etc., and available,

on prescription only, in 1-oz. bottles with dropper for intranasal administration.

South African Trade.—Keene & Co. (principal: David Kay), Commonwealth Building, St. George's Street (P.O. Box 2305), Cape Town, South Africa, wish to communicate with British manufacturers as factory representatives for South Africa and the Rhodesias. The items in which the company are interested include proprietary medicines and toilet goods. Further information may be obtained from Samson, Clark & Co., Ltd., London, W.1.

Business Changes

MR. E. J. MARSHALL was on May 1 appointed sales manager of A. de St. Dalmas & Co., Ltd., wholesale chemists, Leicester.

THE PHOTOGRAPHIC DEALERS' ASSOCIATION has returned to Central London. Its new address is 46 Bloomsbury Street, W.C.1. Telephone: Museum 1275.

MR. ANDRÉ COHEN has disposed of his interest in Charles André & Co., Ltd., and joined André Products (Manufacturers), Ltd., as a director.

ATLAS DISTRIBUTING SERVICE, LTD., 63 Corporation Street, Manchester, 11, are taking over the distribution of the products of Ormskirk Fertiliser Co., Ormskirk.

FINE CHEMICAL EXPORT GROUP.—The new address is c/o Albright & Wilson, Ltd., 52 Grosvenor Gardens, London, S.W.1. Secretary: Mr. G. W. Startin. Mr. T. D. Morson remains chairman of the group.

MR. JAMES FERGUSON, 67 Lightburn Road, Cambuslang, has applied for a licence under the Location of Retail Businesses Order to open a business as retailer of drugs, toilet goods, etc., at 114 Elder Street, Govan, Glasgow.

Proprietary Articles Trade Association

Additions to Protected List.—*Anadin, Ltd.* (distributors: *Kolynos (Sales), Ltd.*). Sy-Lac, 2-oz., 13s. 6d. doz., tax 4s. 6d. doz., inclusive retail price, 1s. 10½d.; 4-oz., 22s. 6d. doz., tax 7s. 6d. doz., i.r.p. 3s. 1½d. Prices also apply to Eire; as with Anadin tablets, Sy-Lac may be included in display parcels.

Kolynos, Inc. Kolynos shaving-cream, 18s. doz., tax 6s. doz., i.r.p. 2s. 6d. Price does not apply to Eire.

Alterations.—*Musterole Fine Products Co., Ltd.* (distributors: *Thos. Christy & Co., Ltd.*). Magnesia oil, 8-oz. and 16-oz. sizes: bonus of one bottle free in every order for 1 doz., either size.

Deletions.—*E. Griffiths Hughes, Ltd.* Radox bath salts, 2½d. and 4d. sizes; Radox bath cubes; Karsote inhalant, 2s. 9d. size.

C. & D. DISPENSING PRICE LIST

CHANGES in prices during the past month have been few, and the index for drug costs is unaffected at 134·7. The corresponding figure for April 1943 was 134·3.

Cost		*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensing price		
d.	*per*		4 oz.	1 oz.	1 dr.
			s. d.	*s. d.*	*s. d.*
14	lb.	Acid. boric. cryst.	0 7	0 2	0 1
15	lb.	Acid. boric. pulv. subtil.	0 7	0 2	0 1
19	lb.	Acid. formic., 25%	0 9	0 3	0 1
40	oz.	Aloinum	—	6 5	0 11
22	lb.	Alumen exsicc. pulv.	—	0 3	0 1
10	oz.	Ammon. salicyl. ..	—	1 6	0 3
96	lb.	Inf. rhei conc. ..	3 10	1 2	0 2
126	lb.	Liq. cauloph. et pulsatillæ, B.P.C. ..	5 0	1 5	0 3
114	lb.	Liq. ferri peptonat.	4 6	1 4	0 3
48	oz.	Ol. sassafras nat. ..	—	7 0	1 0
44	lb.	Pimentæ fruct. pulv.	1 7	0 8	0 2
45	oz.	Safrol	—	6 9	0 11
16	oz.	Sp. pulegii, B.P.C.	—	2 7	0 4
34	lb.	Ung. gallæ, B.P.C.	1 6	0 7	0 1
32	oz.	Viola crystallina ..	—	4 8	0 8

COMING EVENTS

Sunday, May 7

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble round Grindleford and Baslow. Meet at Central Station, 8.30 a.m. Book Grindleford return.

Tuesday, May 9

MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, St. Mary's Hospital, Whitworth Street, Manchester, at 7.30 p.m. Annual meeting.

MANCHESTER BRANCH, NATIONAL PHARMACEUTICAL UNION, Onward Hall, 207 Deansgate, Manchester, at 7.45 p.m. Annual meeting. Mr. T. Heseltine (a member of the Executive) on "Past and Impending Pharmaceutical Events."

Friday, May 12

ROYAL INSTITUTION, 21 Albemarle Street, London, W.1, at 5 p.m. Mr. W. T. Astbury, F.R.S., on "Fibres and Fabrics, Old and New: Their Chemical Structure and Physical Properties."

CHEMICAL SOCIETY, Sheffield University, at 5.30 p.m. Professor W. N. Haworth, F.R.S., on "Carbohydrates Containing Nitrogen and Other Elements."

PERSONALITIES

SIR VYVYAN BOARD has been appointed Rubber Controller in succession to Col. E. Gore-Browne.

MR. F. C. CUMBERLAND, Ph.C. (Cupal, Ltd., Blackburn), has been elected an Associate of the Royal Institute of Chemistry.

ALDERMAN CHARLES A. CRITCHLEY, J.P., Ph.C., Mayor of Blackburn, was sixty-nine on April 28. He recently completed twenty-five years' unbroken service on Blackburn town council.

MR. BRIAN REILLY, who until the fall of France was in business as a wholesale

chemist on the Riviera, will be seen from the accompanying illustration, from a photograph just received from Mrs. Reilly in France, to be, with his family, in excellent health.

MR. HUGH N. LINSTEAD, O.B.E., M.P. (secretary of the Pharmaceutical Society), gave an address on "The House of Commons at Work" to members of the Nottingham Rotary Club recently.

SIR HUMPHRY ROLLESTON has resigned the editorship of the "Practitioner" owing to age (he is eighty-one). The new editor is Dr. Alan Moncrieff, who has been associated with Sir Humphry since 1934.

MR. FRED STOREY, Ph.C., has been unanimously re-elected chairman of the Ulster Tourist Development Association. At the annual meeting of the Association recently he stated that one-fifth of the Association's existence had been spent under war-time conditions, and the tourist traffic had been hard hit. While deploring the circumstances which had brought British, American and Allied Servicemen to Ulster, he believed the Association was making the best of its opportunity to circulate news about the province and its attractions.

PILOT-OFFICER WILLIAM F. BANKS, M.P.S., Ellenborough, Maryport, Cumberland, has been awarded the Distinguished Flying Cross for "high skill, fortitude and devotion to duty displayed in operations." Pilot-Officer Banks, a navigator in Bomber Command, has been in the Royal Air Force for nearly three years. He qualified in 1940.

WILLS

MR. CLEMENT FIELDING, Ph.C., 1 Clover Hill Road, Halifax, Yorks, left £1,094, with net personalty £49.

MR. WILLIAM HOLT, M.P.S., 71 Ramsgreave Drive, Blackburn, Lancs, left £2,828, with net personalty £1,831.

MR. GEORGE WILLEY, M.P.S., 26 Stockwell Road, Knaresborough, Yorks, left £7,215, with net personalty £4,406.

MR. GEORGE HENRY BROADBENT, M.P.S., Ridley House, Main Street, Grassington, Yorks, left £2,593, net personalty £1,452.

MR. JAMES MCCONNELL SANDERS, F.I.C., 54 Moss Lane, Pinner, retired chemical engineer, left £17,225, with net personalty £14,116.

MR. MONTAGUE CASHMORE, 14 Beresford Road, West Southbourne, Hants, chemist and druggist, left £6,959, with net personalty £6,870.

MR. HERBERT HALL, M.P.S., F.B.O.A., 9 Summerville, Blackpool, Lancs, formerly of Stalybridge, Cheshire, left £5,748, with net personalty £3,268.

MR. FRANCIS JOSEPH JACKSON (W. J. Bush & Co., Ltd.), 56 Hesketh Drive, Southport, Lancs, left £10,197, with net personalty £8,114.

MR. EDGAR MICHAEL EVANS, Ph.C., Marshfields, Carmen Sylva Road, Craig-y-don, Llandudno, left £1,755, with net personalty £1,659.

DR. WILLIAM WHITEMAN CARLTON TOPLEY, M.D., F.R.S., secretary of the Agricultural Research Council, left £10,126, with net personalty £7,977.

MR. WILLIAM JACOB GOLDSWORTHY, 44 Fortis Green Road, East Finchley, N., a representative of The British Drug Houses, Ltd., left £12,233, with net personalty £12,106.

MR. ARTHUR ERNEST CANNEY, The Priory, Roehampton, Surrey, managing director of Virol, Ltd., Hanger Lane, Ealing, London, W., left £33,487, with net personalty £33,244.

DEATHS

BLYTHE.—On April 27, Mr. Frederick Charles Blythe, Tudor Lodge, Bexhill-on-Sea, formerly with William Blythe & Co., Church, Lancs, aged eighty-four.

CLAISSE.—On April 23, following a protracted illness, Mr. Herbert Lefevre Claisse, joint managing director and deputy chairman of Gillette Industries, Ltd., aged sixty. Mr. Claisse joined the Auto-Strop Safety Razor Co., Ltd., in 1912. Shortly after its merger with the Gillette Safety Razor Co., Ltd., in 1930, he was appointed a vice-president and director of the Gillette Safety Razor Co., Boston, Mass., U.S.A. He was largely responsible for the planning of the Gillette factory on the Great West Road, which remains a monument to his designing ability and enterprise. He was held in the highest affection and esteem by all who were privileged to serve under his direction, and amongst many welfare measures which he introduced were a 41½-hour working week, a Provident Fund, and children's allowances. The funeral was at Reading, Berks, on April 26.

DENNIS.—On April 18, Mr. James Edward Dennis, M.P.S., 3 Gibbs Road, Newport, Monmouthshire, aged seventy-eight.

JONES.—At Nevin, nr. Pwllheli, recently, Mr. Robert John Jones, M.P.S., Shop Maes. Mr. Jones qualified in 1921. He was governor of the Pwllheli County School; a member of the Pwllheli and Portmadoc Gardens Committee, and of the Nevin Town Trust; founder of the Nevin and District Sunday Schools Eisteddfod; and a treasurer of the Nevin Sunday School Union. He leaves a widow and three sisters.

KERFOOT.—At Heathfield, Buxton, on April 27, Mr. Ernest Hodgson Kerfoot (governing director of Thomas Kerfoot & Co., Ltd., Bardsley Vale, Lancs), aged sixty-four. Mr. Kerfoot had apparently been in his usual good health up to the morning of April 26, when he had a stroke and died the following morning without regaining consciousness. The funeral was at the Manchester Crematorium on April 29. Mr. Kerfoot was educated at Penmaenmawr College and Owens College (now the Victoria University), Manchester, and in 1900 joined his father, the late Mr. Thomas Kerfoot, in the family business which became a limited company in 1919. When the British Pharmaceutical Conference was held in Manchester in 1931 he acted as honorary treasurer for the local committee. Keenly interested in the work of the National Trust, in 1936 he presented 100 acres of land in Dovedale to the Trust. He is survived by two sons, Dr. T. H. M. Kerfoot and Mr. Henry M. Kerfoot, both directors of the company.

LAXON.—On April 19, Mr. Matthew Laxon, Meadow View, Elwyn Road, March, Cambs, aged eighty-six. Mr. Laxon qualified in 1879 and gained the Pharmaceutical Chemist diploma in the same year. He was a member of the Isle of Ely County Council from 1913 to 1941 and an Alderman from 1923.

PARRY.—On April 30, Dr. Ernest J. Parry, D.Sc., F.I.C., barrister-at-law, 15 Borough High Street, London, S.E.1, aged seventy-two. Dr. Parry was one of the leading authorities on essential oils, and the compiler of a "Cyclopædia of Perfumery," as well as the author of "Chemistry of Essential Oils and Artificial Perfumes." His contributions to the proceedings of the British Pharmaceutical Conference date back to 1893. Dr. Parry, who was in business as an analytical chemist, was a director of British Alkaloids, Ltd., London, and a frequent contributor to THE CHEMIST AND DRUGGIST.

INQUESTS

Lysol Poisoning.—At an inquest at Little Sutton, Chester, recently, a verdict in accordance with the evidence was given on Miss Alice J. Brown. It was stated that a post-mortem examination had revealed she died from lysol poisoning.

Phenobarbitone Overdose.—An open verdict was returned by the coroner at an inquest at Tunbridge Wells, on March 23, on Rose Susan Bovey, who died on March 8 after taking phenobarbitone. The coroner remarked that there was no doubt Mrs. Bovey had taken a considerable overdose of the medicine, which had been properly prescribed for epilepsy. From the evidence he was not prepared to find that the woman had taken her own life.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

HE monthly meeting of the Council of the harmaceutical Society of Northern Ireland as held in Belfast on April 21, Mr. J. T. icholl, Ph.C. (president) in the chair. lso present were Mr. Charles Abernethy ice-president), Mr. James McDowell reasurer), Dr. S. E. A. Acheson, Messrs. J. . Connor, J.P., H. H. Cowzer, J. Donaghy, . H. Forrest, James Glendinning, J. W. ray, J.P., and James Irwin, Professor E. . B. Mayrs, and Messrs. H. F. Moore, John IcGregor, and W. C. Tate. Mr. D. L. irkpatrick (secretary) was in attendance.

THE PRESIDENT reported on a visit of he delegates appointed to meet the mem- ers of the Ulster Chemists' Association on he question of indenturing apprentices. he Ulster Chemists' Association, he said, ished further to consult with members nd associate members on the matter, and ould later communicate with the Council.

THE SECRETARY read a letter from Dr. IcCall, Dundee, examiner in pharmacy nd pharmacognosy, intimating that, owing o indifferent health, he would not be able to act as an examiner at the Society's examinations in June. THE PRESIDENT said he had got in touch with the Ministry of Home Affairs in Stormont, and they had approved of the appointment of Mr. J. Noel Patterson, M.P.S.N.I., as deputy examiner in these subjects. The Council approved of Mr. Nicholl's course of action, and Mr. H. F. Moore expressed thanks to the president for acting so promptly in the matter.

Distribution of the Register was a matter raised by THE PRESIDENT, and THE SECRETARY read a minute from the Finance Committee on the subject. This recommended that a charge of 4s. (cost price) should be made to non-members requiring the Register. On the motion of MR. S. H. FORREST, seconded by MR. J. E. CONNOR, the Council decided to adopt the Committee's minute.

The following were elected members of the Society, on the proposition of MR. DONAGHY, seconded by MR. ABERNETHY: Miss Mary Josephine McAllister, 4 Strand Road, Portstewart; and Mr. James Loughrey, 63 Cliftonpark Avenue, Belfast.

SURGICAL INSTRUMENT MANUFACTURERS

HE annual meeting of the Federation of urgical Instrument Manufacturers was held n London on April 26. MR. E. W. PHILPOTT (chairman), in his address, said that the ideal of the Federation was unanimity. He believed the Federation had already brought about a reversal of the ideas that previously hung about the trade like a millstone, and hoped and believed the ultimate achievement would be to bring about conditions that would enable the trade to stand four-square to the difficulties ahead. Although the Federation had only been in existence a short time, much had been achieved. The Federation was ably represented by Mr. Hatrick on the British Standards Institution committee dealing with the standardisation of syringes. Another member was on the committee of the export group and the co-ordinating committee of export groups.

Mr. E. W. Philpott

The Federation had been invited to send representatives to a commitee to consider post-war reconstruction; and, with strength growing, it was hoped soon to be able to ask for representation on the committee that adjudicates wage and other claims. The nucleus of an information bureau had been formed, and this was already being used both by members and non-members. He hoped the Federation's representatives on the reconstruction committee would give weighty consideration to ways of remedying the previous lack of planning within the trade, and to modernising their methods of production. In general, the trade could be said to be a hundred years behind the points Germany had reached before the war, and America today, alike in methods, plant and organisation. The efforts of members should be applied immediately to ways and means of placing the trade in a position of competitive equality in the post-war era, when, apart from any rapid recovery Germany might be expected to make, America would be found a formidable rival. Finally, the chairman concluded with a reference to the "suffocating morass of departmental control." Power was in the hands of bureaucrats whose sole qualification appeared to be that they had no technical knowledge, he said.

NATIONAL PHARMACEUTICAL UNION

A MEETING of the Executive of the National Pharmaceutical Union was held in London on April 25 and 26, Mr. W. J. Tristram in the chair. MR. T. HESELTINE, who offered his resignation after a term of office as chairman, thanked the Executive for their support during the year, and extended a welcome to Messrs. Coulson and Graham, new members of the Executive, and congratulated Mr. Battershill upon his re-election.

It was proposed by MR. STEINMAN and seconded by MR. MARSHALL that Mr. W. J. Tristram should be elected *Chairman* for the ensuing year. MR. TRISTRAM thanked the Executive for the honour conferred upon him and for the confidence shown in electing him as their chairman for a year which appeared likely to be one of the most critical in the history of pharmacy. He thanked the retiring chairman for his work in connexion with the Executive during the year, and also for his untiring efforts in travelling over the country for the purpose of addressing branch meetings. MR. E. A. BROCKLEHURST was elected *Vice-chairman*, and MR. A. R. MELHUISH was re-elected *Treasurer*.

The Central N.H.I. Committee was re-elected, Mr. Coulson taking the place of Mr. J. Evans, who is no longer a member of the Executive. An Accounts Committee was elected, and representatives were re-appointed to the Chemists' Friends Council, Joint Industrial Council for Retail Pharmacy, Drug Trade Council, Joint Committee on National Pharmaceutical Service, Liaison Committee with the Pharmaceutical Society, Joint Parliamentary Committee, N.P.U. War Distress Fund Committee and N.P.U. Organisations Staff Pensions Fund Trustees.

Election of Executive

THE SECRETARY reported that, as a result of the second ballot in the Executive Committee election for Southern Division Area 3, Mr. F. E. Battershill had, by a majority of twenty-two votes, been re-elected for a period of three years ending March 1947. Out of a total of 398 voting papers issued, 228 had been returned.

THE SECRETARY reported that, following further representations to the Ministry of Food, it had been decided to increase the allocation of sugar for making B.P., B.P.C. and N.W.F. preparations from 90 per cent. of the pre-war basic usage to 100 per cent., the increase to operate from April 30.

A small committee is to be appointed to meet representatives of the Wholesale Drug Trade Association to discuss matters connected with the price list. This committee will be constituted as follows: The chairman, vice-chairman and secretary, together with Messrs. Atkins, Pugh Davies, Hearle and Steinman.

Resolutions from Branches

A resolution from the Bath Branch that the dispensing fees suggested in the N.P.U. price list should be revised was referred to the Price List Committee. A further proposition from the Bath Branch that a questionnaire should be issued to individual pharmacists seeking their views on the extent of the pharmaceutical service that could be provided, and would be required in the public interest, under the proposed new National Medical Service, was received. It was decided that the matter should be considered at the conferences to be held at the end of May.

It was proposed by MR. STEINMAN seconded by MR. BRYAN, that Mr. A. R. Melhuish should be re-elected *Chairman* of the Central N.H.I. Committee.

National Medical Service

A report upon the proceedings of the Joint Committee of the N.P.U., the Pharmaceutical Society and the Pharmaceutical Standing Committee for Scotland was received, and a document outlining the views upon the administrative structure proposed in the White Paper on the health services, as recommended by that Joint Committee, was considered. It was resolved that this document should be submitted to the conference of Pharmaceutical Committees.

Conference of Pharmaceutical Committees

The recommendations of the Central N.H.I. Committee regarding the matters which were to be placed before Pharmaceutical Committees for consideration at the conference to be held on May 30 were approved.

Wilts Resolution

The following resolution from the Wilts County Pharmaceutical Committee was received:—

> "That the 'joint commission' to interview the Ministry of Health should have amongst its personnel one member of the Pharmaceutical Committees from each area."

and it was resolved that the secretary should be asked to reply, pointing out the difficulty of adopting the proposals of this committee.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETING of the Council of the Pharmaeutical Society of Great Britain was held London on May 3, the president (Mr. . S. Howells) in the chair. MR. HOWELLS pressed the deep regret of the Council at e death of Miss H. C. M. Winch (head of e pharmaceutical department, Sunderind Technical College, and chairman of e local branch at the time of her death). HE SECRETARY reported receipt of a letter om the Branch saying that it was their sire to perpetuate Miss Winch's memory opening a fund, and to raise enough oney to bring in an annual return for an vard.

White Paper" Matters

A request from the Guild of Public harmacists to be represented on any body king part in preliminary discussions on e White Paper was referred to the joint mmittee. THE SECRETARY reported reipt of a letter from the Edgware Division, ating that, after discussing the White aper in open meeting, it had expressed ave concern at the apathy of the Council nd the lack of guidance on the proposed ew health service and the terms offered, nd requesting that an evening meeting ould be called to hear the views of memers. He added that two or three things ad happened since then and no terms had een offered to pharmacists.

MR. P. F. ROWSELL, presenting the inutes of the Education Committee, reorted an application from a man serving the Forces for certain concessions in spect of examination regulations. The ommittee considered it, but thought it ise, as a number of such cases were likely come along, that the chairman and ecretary should be authorised to exercise iscretionary powers in such cases, reportng back to the Education Committee and the Council if deemed necessary. The tanding Interdepartmental Committee n Further Education and Training had sked for information and statistics, and was agreed that the secretary should preare a memorandum for the consideration f the next meeting of the Education Comittee. MR. G. R. K. MAWER asked that here should be placed on record the thanks f the committee to Mr. Rowsell on his etirement from the chairmanship for his nstinted labours during many years. Other members added their tributes to Mr. Rowsell, and the minutes of the committee, vith the added minute, were adopted.

MR. J. F. MCNEAL, moving the minutes of the Benevolent Fund Committee, reported on a gift that would eventually amount to £105 from Mr. Humphrey Jones, Newport, to celebrate his fifty years in pharmacy.

MR. H. C. SHAW (treasurer) reported, in giving the minutes of the Finance Committee, that for 1943 the income had totalled £108,519, a drop of £1,116 on the previous year; expenditure had been £92,178, a drop of £576. There was a surplus in the General Fund of £6,148, and income from the Benevolent Fund was £5,333. Contributions to the Parliamentary Fund were £529 and, in view of the commitments proposed under the health services, he would like to see that fund a very substantial one. The college was the largest item of expenditure: including the school and laboratories the cost was just over £10,000. The report was adopted.

MR. F. C. WILSON moved acceptance of the report of the Organisation Committee, and stated that the Branch Representatives' meeting was to be held in London on June 12.

Retiring Members

THE CHAIRMAN referred appreciatively to Messrs. P. F. Rowsell and J. H. Franklin on their retirement from the Council. Mr. Rowsell had first joined the Council in 1907, and had served as chairman of most of the committees, and been vice-president and president of the Society. Mr. Franklin had become a member of the Council in 1937, after many years of prominence in pharmaceutical public life in Manchester, and had brought to the Council knowledge and experience gained in that sphere. MESSRS. ROWSELL and FRANKLIN briefly acknowledged the chairman's tribute.

MR. H. M. HIRST said that comment had been made in the Press on the poor attendance of country members of the Council at the annual meeting of the Society. He thought he ought to make clear that some of them felt it was a waste of time and money for them to travel 500 miles and spend £5 of the Council's money to sit at the annual meeting.

MR. F. G. WELLS proposed that the Council should prepare a complete record of members who had lost their lives in the war, with the idea later of having a permanent record in the new building, in the shape of a panel or book of remembrance. The proposal was referred to the establishment committee.

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OL. CXLI MAY 6, 1944 NO. 3352

he fact that goods made of raw materials short supply owing to war conditions are lvertised in this paper or described in its itorial columns should not be taken as an dication that they are necessarily available r export.

Proposed National Pharmaceutical Service

HE structural outline of a National harmaceutical Service recommended by Joint Committee of the Pharmaceutical ociety, the National Pharmaceutical Union d the Pharmaceutical Standing Committe for Scotland was printed in sufficient tail in our last week's issue (pp. 471–72) r readers to form opinions on its merits. he formation of such opinions is, however, ly the first step in what may prove to be long process. It may be as well for those ho have not a copy of the Government hite Paper, "A National Health Service" md. 6502), to turn to our issue of February 26, on pp. 233–39 of which we gave fairly full abstract of this important ocument. In particular, the method of ganisation suggested on p. 234 of that sue should be noted, as it forms a kind key to the pharmaceutical proposals now ublished. In descending order from the inister of Health are a Central Pharmacy oard, Area Pharmacy Boards, Local harmacy Boards and Pharmaceutical ervice Committees; this arrangement is uplicated, one set of administrative bodies eing allotted to England and Wales and e other to Scotland. The idea of a Pharmacy Commission has, we infer, been dropped: we are not told whether this has been done with the consent of the other three bodies (the Guild of Public Pharmacists, the Association of Scientific Workers, and the Association of Pharmaceutical Employees) which formed part of the six submitting pharmaceutical service proposals to the Minister of Health last July.

It goes without saying that this plan for organising the proposed service will need ample discussion by all the interests affected. It will be remembered that the Pharmaceutical Society and the National Pharmaceutical Union have each arranged for meetings of delegates to be held in the near future. Whether there is time for the branches of these two bodies to hold preliminary gatherings for the examination of the matters involved we do not know: probably this course can be adopted in some of the larger centres of population. In any case, it is to be hoped that the delegates' meetings referred to will be well attended, and that discussion will be in public. The proposed powers of the Central Pharmacy Board, for instance, will require careful scrutiny; and the less definite account of the functions of the subordinate bodies will call for amplification and, if necessary, criticism. One feature that on the face of it looks strange is that Pharmaceutical Service Committees will recommend direct to the Central Pharmacy Board without the intervention of either of the intermediate bodies. Other points for inquiry and discussion will no doubt emerge when pharmacists with experience of N.H.I. committee work study these proposals clause by clause. And we have yet to learn the attitude of the Company Chemists' Association and that of the Joint Industrial Council for Retail Pharmacy. Remembering the mass of detail that arose from the inauguration of the first National Health Insurance Act, we foresee a busy time for all concerned.

An Industry at the Threshold

THE Federation of Surgical Instrument Manufacturers, whose annual report is given on p. 491, was formed to safeguard the interests of the trade, promote co-operation among manufacturers, merchants and

users of surgical instruments, as well as organisations having similar or allied interests and objects, and to maintain the stability of the trade under post-war conditions. Before the outbreak of war the surgical-instrument industry of the world was largely monopolised by Germany and Japan, who benefited both by cheap labour and by subsidies. Manufacturers in this country struggled along under severe handicaps, despite the fact that the articles manufactured were of vital necessity for saving life and alleviating pain. When war broke out, continental supplies became cut off, and there resulted a serious shortage of essential supplies. The deficiency has not yet been made up. Since 1939, however, the British manufacturers have performed miracles in providing supplies for ordinary civilian needs, air-raid casualties, the Army, Navy and Air Force, and Britain's Russian allies. Heavy demands are also being received today from allied and neutral countries. They cannot be met under present conditions, but, as readers will see from the report, the Federation is aware of its opportunities as well as of its shortcomings, and looks forward with confidence to post-war progress.

Licence Application Shortcomings

When an application is made to a local price-regulation committee for a licence to open a new business, the applicant is supplied with a form of draft advertisement for insertion in a local newspaper, a copy of which (intact) must accompany the application when it goes to the office of the committee. Following the appearance recently, in a Liverpool newspaper, of an advertisement from which the address at which it was proposed to carry on business had been omitted, it has been ascertained that such an advertisement would not be approved by the authorities. Without the address, another trader is hardly in a position to lodge an objection, and thus the purpose of the advertisement breaks down. Whenever a Press announcement is in any sense irregular, the applicant may have to insert an amended or corrected notice.

In some instances advertisements have stated merely the category numbers of goods in which it is proposed to trade, and retailers have objected, with some justification, that not being in possession of the schedule of categories, they are being kept in the dark. In other words, the use of category numbers savours of concealment, once again rendering it difficult to lodge objections. It is understood, however, that, at least in some areas, category numbers are used only for second-hand goods. When it is proposed to sell new goods the appellant is required to give a full description of the articles to be traded in. The only exception is that when a business is merely transferred from one owner to another, it is not necessary for the new owner to advertise that he has applied for a licence, unless he wants to enlarge the range of stock by including goods in other categories, or provide services not previously offered.

Sublingual Administration

It is sometimes asserted that any of the potent non-irritant drugs may be effectively administered by a simple application to the oral mucosa, and recently it was suggested that morphine could be administered sublingually in war-time emergencies, in which hypodermic injections were not possible. Walton ("Journal of the American Medical Association," January 15, p. 138) points out that penetration of drugs through the oral mucosa is a selective process and, whilst a few substances penetrate readily, others penetrate only when large doses are applied and some seem to be almost incapable of any significant degree of penetration. Glyceryl trinitrate is one drug the absorption of which by sublingual application is undisputed. Erythrityl tetranitrate, some of the steroid hormones, testosterone compound and the œstrogens are in the same category. Morphine and its derivatives, however, are stated to be of little use by the sublingual route. Effects which have been obtained in this way are apparently due to small amounts having been swallowed. Atropine and strychnine are also difficult of sublingual absorption. The majority of drugs do not penetrate the oral mucosa and, with new preparations, adequate trial by absorption experiments must be considered necessary before the sublingual route is adopted.

HYPERIDROSIS

THE sweat is a slightly alkaline, clear liquid of not unpleasant odour; it consists of water with 0·5 per cent. salts, and is poured out in a warm flow by sweat glands found all over the surface of the body. By its evaporation, the sweat is the chief agent in reducing body heat produced by the combustion of foods in the body. When the air is sufficient in volume and dryness, evaporation is complete and the skin remains dry, but, when the sweat is excessive in amount (hyperidrosis) or the air is moist and insufficient in volume, the skin itself remains moist. While on the skin the sweat mixes with the fatty secretions of the sebaceous glands and epithelial debris, the mixture forming an ideal medium for bacterial action. As the result, the fatty acids, etc., are decomposed, yielding products that irritate and inflame the skin with, finally, some form of eczema and an unpleasant odour (bromidrosis). No internal treatment seems to have much effect on these conditions, and the main treatment consists in local applications of antiseptics, astringents and deodorants.

Astringents

As astringents, aluminium salts (sulphate, chloride or aceto-tartrate) are the most effective, but alcohol and tannins are also used. Astringents act by precipitating the skin proteins, thus blocking up the openings of the sweat glands, whilst the solvent evaporates, cooling the skin and so contracting the blood capillaries. As deodorants and antiseptics, hexamine, chloramine-T, the oxide and peroxide of zinc, and essential oils, are mostly used. Such antiseptics prevent bacterial action, some neutralising also the fatty acids, others merely masking the unpleasant odour. The following formulas are typical—

(1)	Aluminium sulphate ..	25
	Orange flower water ..	75

The solution is used by dabbing on the skin or, diluted to 5 per cent. with water, for soaking the feet.

(2)	Hexamine	3
	Industrial methylated spirit	40
	Orange flower water to ..	100

Hexamine, in contact with acid secretions, is decomposed, liberating formaldehyde, which is antiseptic and astringent. The acid becomes neutralised, and in the neutral medium the hexamine is no longer decomposed; there is thus no danger of irritation from the use of formalin itself.

(3)	Zinc peroxide	10
	Zinc oxide	20
	Soft paraffin	70

A non-aqueous base is necessary with peroxides, to prevent decomposition.

(4)	Hexamine	5
	Diglycol stearate	20
	Orange flower water	75

Melt the stearate and add to the water, both being at about 78° C. When emulsified, add the hexamine dissolved in about 15 of warm water. Stir till cold.

(5)	Chloramine-T	3
	Boric acid	20
	Talc	50
	Prepared chalk to	100

Powders are easy to make but do not effectively stop the production of perspiration. It is sometimes objected that these preparations, which diminish or stop secretion of sweat, are harmful, but the stoppage over such a small area has no effect on the general health.

SOUTH AFRICAN VACCINES

GERBILLES (veld rats), which were formerly destroyed as a pest by the South African Health Department, are now captured alive to serve as vehicles for making typhus vaccine. The use of veld rats is believed to be confined to the Union. The process of producing the vaccines was developed simultaneously in South African and overseas laboratories. It is based on the use of turkey, hen, and duck eggs, and represents a considerable scientific achievement for South African research workers. Fertile eggs are inoculated with the typhus virus, previously cultured at the laboratories—a delicate work done at the South African Institute for Medical Research, Rietfontein, by skilled women technicians wearing surgical masks and all vaccinated against typhus. The inoculated eggs are sealed and left for a week, when they are ready for what is called the "harvesting" process in another laboratory. If found satisfactory after stringent tests, the anti-typhus solution yielded is bottled for inoculation into human beings.

At the Institute laboratories the egg and gerbille methods are yielding thousands of doses of vaccine monthly. So far, more than 200,000 doses have been flown to Russia, and approximately another 100,000 have been sent to the International Red Cross headquarters at Geneva, Switzerland. Further quantities are being stored in South Africa against possible epidemics.

INSURANCE ACT DISPENSING

Bath.—Following a difference between the Insurance Committee and the Pharmaceutical Committee on the operation of a rota among local chemists during the period 6 p.m. to 7 p.m. each evening, a Ministry of Health official recently visited Bath, toured the city to gain a view of the situation, and met representatives of the two committees. The official's report has been forwarded to the Ministry of Health, which will announce a decision in due course.

Blackpool.—The local Trades Council decided on April 26 to take up with the Insurance Committee the question of an all-night service in the town in the interests of insured persons. It was urged that in a town like Blackpool it was not always possible for insured persons to visit chemists' shops during the prescribed hours.

Essex.—The following table gives comparative statistics of prescriptions and patients in the county Insurance Committee's area in the five years 1939–43:—

Year	Prescriptions	Cost	Average cost per prescription	Average cost per insured person
		£	d.	d.
1939	2,219,760	84,510	9·2	40·90
1940	2,113,716	88,825	10·2	42·89
1941	1,878,574	86,858	11·1	43·94
1942	2,066,635	98,029	11·4	49·82
1943	2,399,460	119,160	11·9	58·59

Southampton.—Complaints that patients had been unable to get medicine because chemists had closed earlier than the time stipulated in their agreement with the Insurance Committee were made at a recent meeting of the Committee. Under the agreement chemists were required to remain open from 8.30 a.m. to 1 p.m. and from 2 p.m. until 7 p.m. on weekdays, except on the early closing day and Sunday, when a rota system was in operation. A doctor said that one Sunday recently he gave a patient a prescription and told him of two chemists who should have been open under the rota system. The patient was unable to get the medicine because neither chemist was open when he called. On a previous occasion, he gave a patient a prescription at about 5.45 p.m. and told him to go to a nearby chemist; later, the patient returned and said the shop was closed. "I don't want to suggest at what hours chemists should be open," he said "but it is a serious matter if they are not open during the hours they say they will open. If they want a rearrangement of the times they should ask for it." The chairman said one of the Committee's main functions was to look after insured persons and he was all out to watch their interests particularly in war-time. It was agreed that a circular letter should be sent to all chemists reminding them of the terms.

VIVICILLIN STATEMENT

THE following statement is made jointly by the International Serum Co., Ltd. Hendon, London, N.W.14, and the Watford Chemical Co., Ltd., London, W.1:—A report was recently issued by the Wellhouse Hospital, Barnet, concerning the initial results of clinical trials on the systemic and local use of Vivicillin brand antibiotic containing living *Penicillium notatum*, technical data on which has already been published. The report reads as follows:—

"During past weeks a new biological preparation Vivicillin, a development of penicillin therapy, has been used with encouraging results at the hospital, following experiments which had been previously conducted on a wide range of animals. No extravagant claim or comparisons are made for, like penicillin, it is not a cure-all. Very promising recoveries following its local and general use have taken place in medical and surgical patients, either when used alone or where other known remedies have been used and have failed, and in conjunction with other modern remedies, the action of which it appears to accelerate. Penicillin is not available for use by civilian hospitals and medical practitioners, and it would appear that the chief value of Vivicillin lies in its comparatively low cost of manufacture and ease of production in quantity, thus being available to the large mass of the population so far unprovided for. Results so far obtained are sufficiently encouraging to justify more extensive clinical use of Vivicillin by other independent hospitals and general practitioners with the object of making the material available to the civilian population."

Since the above report was made, however, misleading statements have been published on the subject. It will be appreciated that much more clinical work and laboratory investigation will be necessary before any true assessment of the full value of Vivicillin can be made or any comparison drawn between the relative merits of the material and penicillin, or before the material can be issued commercially.

EIRE BONUS INCREASES

HE Eire Minister for Industry and Com-ierce has made an Order sanctioning creases in bonus rates paid to employees the retail drug trade, with retrospective fect from January 4. Weekly rates are :—

nqualified assistants—	Men		Women	
	s.	*d.*	*s.*	*d.*
irst year after apprenticeship	61	0	51	6
econd year	66	0	56	6
hird year	79	0	69	0
ourth year	84	0	74	6

ualified assistants (if engaged as such)—	Men		Women	
	s.	*d.*	*s.*	*d.*
irst year at business ..	66	0	56	6
econd year	71	0	61	6
hird year	84	0	74	6
ourth year	86	6	77	0
ifth year	89	0	79	6

egistered druggist (if engaged as such)—	Men		Women	
	s.	*d.*	*s.*	*d.*
irst year at business ..	66	0	56	6
econd year	71	0	61	6
hird year	84	0	74	6
ourth year	86	6	77	0
anaging a druggist shop ..	96	6	87	0

ualified chemists (if engaged as such)—	Men		Women	
	s.	*d.*	*s.*	*d.*
irst year at business ..	82	6	73	0
econd year	87	6	78	0
hird year	100	0	90	6
ourth year	102	6	93	0

ocum tenentes—	Men		Women	
	s.	*d.*	*s.*	*d.*
ualified chemists (outdoor)	120	0	110	6
ssistants	98	0	88	6

Maximum Employment for Locums: Two onths. If engaged for two months or more, rdinary rates apply. Rail fare each way if ravelling back. Unqualified chemists at rdinary rates. Qualified chemists covering hop, 10s. per week above rates for ordinary ualified chemists. No bonus where turnover under £50 per week. Where turnover is from 50 to £60, 2s. 6d. extra per week; where urnover is from £60 to £70, 5s. extra per week; and where turnover is from £70 to £80, 7s. 6d. extra per week.

Part-time Assistants: Minimum rate for part-time assistant to be one half-week's pay at appropriate rates per week, plus 15 per cent.

Hours of Employment: Men, forty-eight; women, forty-four.

Overtime: At rate of time-and-a-quarter for first six hours, and time-and-a-half for any further period in the same week.

Bank Holidays: In addition to the one half-holiday to be given to employees in accordance with the Shops (Conditions of Employment) Act, 1938, in each public holiday fortnight, employees engaged at work for two consecutive hours in the morning of a public holiday to be allowed an extra half-holiday in that fortnight, or to be paid an extra half-day's pay at the discretion of the employer. Employees engaged at work for more than two hours, or for one hour in the morning and one in the evening, to be allowed an extra full day's holiday, or to be paid an extra day's pay, at option of employer. For the purpose of this agreement the words "morning of a public holiday" mean any time up to 1.30 p.m. of that day. The public holidays are Christmas Day, St. Stephen's Day, St. Patrick's Day, Easter Monday, Whit Monday, and the first Monday in August. The word "employee" includes managers, assistants, and apprentices, but does not include messenger boys.

BLOOD TRANSFUSION AT THE BATTLE FRONT.— A wounded U.S. Marine being given blood plasma by a Navy corpsman on the beach at Namur Island (Marshall Islands) after invasion of the island by U.S. Marines.

PHARMACEUTICAL STUDENTS' CONFERENCE

THE British Pharmaceutical Students' Association's second annual conference at Nottingham on April 14 and 15, to which brief reference was made in the *C. & D.*, April 29, p. 457, was attended by delegates from Aberdeen, Birmingham, Bradford, Brighton, Burnley, Cardiff, Edinburgh, Leicester, Nottingham, Portsmouth, and the College of the Pharmaceutical Society, London. The president (Mr. J. E. Shinner, Ph.C.) was in the chair.

Three sessions and a business session were held, the address by MR. G. E. TREASE on "Teaching Methods in Pharmacy—Past, Present and Future," being at the first. Mr. Trease's address, it will be recalled, dealt with changes in pharmaceutical education. He maintained that the pharmacist's work and training should be distinct from that of the medical practitioner, and there should be less talk of one being the handmaiden of the other: there should be no suggestion of medical or other interference in pharmaceutical matters. In his opinion the apprenticeship system has outlived its period of usefulness and should be abolished. The professional subjects should be taught entirely at college, and, after examination but before admission to the Register, he suggested a compulsory one or two-year assistantship in a shop or hospital. The standard of dispensing skill among students was declining and was now regrettably low, and pharmacists willing to undertake the training of apprentices, and having the necessary facilities to do so, no longer existed in adequate numbers.

Training in Overseas' Countries

Mr. Trease described how continental countries and the U.S.A. dealt with similar problems. In America the degree course occupied four years. This was divided into two sections: basic subjects, and professional subjects. A number of subjects were compulsory, but students were given a wide choice of optional work. Much more chemistry was done in the first two years, thus leaving time for adequate later training in pharmaceutics. Students were apt to forget that a large part of a lecturer's time should be devoted to research. They should realise that education was not just memorising of facts but rather a process of developing one's talents.

In the discussion which followed MR. O. DUFFELEN, Bradford, said that colleges ignored an apprenticeship; that the physiology syllabus was divorced from pharmacy and should include more pharmacology. MR. G. BAILEY, Nottingham, pressed for an apprenticeship syllabus and for the inclusion of the economics of the profession in the curriculum. MR. SHINNER advocated a practical physiology examination in the Chemist and Druggist course, and the introduction of therapeutics. MR. W. HENNIGAN, Edinburgh, was in favour of a two-year apprenticeship between the intermediate and qualifying examinations. MR. P. A. NASMYTH, Cardiff, suggested an apprenticeship for retail people only. MR. J. A. D'EST EASTES, Brighton, favoured the abolition of apprenticeship, and thought the gap between the intermediate and qualifying examinations too wide. MR. J. RODWELL, Bradford, supported the idea of a practical physiology examination, and thought that more use might be made of biochemical analyses. MR. C. R. DIMOND, Cardiff, wanted increased contact with schools of medicine. MR. W. BURKE (College of the Pharmaceutical Society) suggested a more elastic qualification, but did not think that therapeutics could be included in the curriculum under the present charter.

Educational Reform

The second session of the Conference was addressed by members of the executive on the subject of reform of pharmaceutical education and the forthcoming publication of a statement on education by the National Union of Students. After discussion the Conference unanimously passed the following resolutions:—

> That in future the Society should enforce the rules set out in the appendix to the draft articles of pupilage by quarterly inspection of apprentices' notes, and that these notes should be submitted to the head of the pharmacy college with the application for admission, a report to be submitted to the Society.
>
> That pharmacies be inspected periodically —at intervals of not more than two years— and that where conditions are not suitable pharmacists be debarred from the training of apprentices.
>
> That the Pharmaceutical Society should draw up a syllabus to guide the apprentice-master in instructing his apprentice, and that there should be some indication of the form the pupil's record of work should take.
>
> That an apprenticeship should consist of a minimum of one year and a maximum of two years, during which the proposed syllabus should be completed.

Many speakers thought that an apprenticeship of more than two years amounted exploitation. The following resolutions ere also passed:—

That the Society's publication, "Some Notes on Pharmacy as a Career," be sent free to every prospective apprentice, the curriculum booklet at present sent them being most misleading.

That the Association strongly recommends that all prospective entrants to the profession should, while still at school, take the Intermediate Science examination of London University, in the appropriate subjects.

That, for the present, examination results in biology (theoretical and practical) should be published separately as botany and zoology, and that, so soon as possible, biology be replaced by botany and zoology taken as separate subjects.

That as the present is a period of standstill (by virtue of pending changes in education) the Association finds it difficult to formulate a policy as to the future of the qualifying examinations.

That, in reply to a question asked by the planning committee, the Association strongly disapproves of any reduction in the number of colleges recognised by the Society for conducting courses leading to the qualifying examinations.

That the Society should increase the number of research scholarships.

The third session was concerned with the ldress by Mr. J. C. Young (a member of the harmaceutical Society's Council), already ferred to (p. 457). In the matter of the overnment's White Paper on the proposed new ealth service, Mr. Young thought the public ould be divided into three classes: those who ere in favour of it; those who were opposed it; and those who had read it. The attention ven to pharmacy was disappointing. He dvocated that the dispensing in any health rvice should be done in existing pharmacies, it agreed with those who urged that dispenries would have to be better equipped.

harmacy's Future Discussed

Miss O. Bailey, Leicester, said there was a idespread feeling that the Society had so far one little. Mr. D. Davis (College of the Pharaceutical Society) urged chemists to refuse to ccept N.H.I. contracts until adequate payment as forthcoming, Miss S. Blumenthal, Birmingham, thought that public pharmacists were ot adequately represented on the Council. Mr. D. J. Brown (College of the Pharmaceutical ociety) asked if something could not be done bout "patent" medicines, and what would be he position of the Apothecaries' Hall dispensers n the future health service. Mr. J. H. Henderon, Edinburgh, thought the Society could be very strong body if it was used properly. He ould like to see the N.F. abolished, and as egards patent medicines could not the Society sue some such book as "Secret Remedies"? Mr. W. Burke (College of the Pharmaceutical Society) was not disappointed with the reference to pharmacy in the White Paper—the desire for discussion had been emphasised. Mr. J. E. Shinner thought that prescribing should be identical for all classes, and wanted to know what steps were being taken to prevent stores of the bazaar type from opening pharmacies.

Mr. Young, replying to the points raised, said that such sterilisation processes as were necessary could be done centrally; the Society was continually holding conferences on the White Paper proposals. Apothecaries Hall people were not considered as dispensers under the new scheme; only an Act of Parliament could restrict the opening of pharmacies—opposition interests were great, and multiple firms did not support the idea of a Pharmacy Commission. A comprehensive health service would cut out many "patent" medicines. He was firmly convinced that the new dispensing service must be built around the old. The Conference resolved that the supply of all pharmaceutical preparations required in any health service should be restricted to pharmacists.

At the business session the following resolutions were passed: That the Association strongly recommends all pharmacy students to join the Association of Scientific Workers. That the Association should seek affiliation to the Health Workers' Council. Mr. J. E. Shinner was re-elected *President*, with the following *Committee:* Mr. G. Bailey, Nottingham, *Secretary;* Messrs. D. J. Brown (College of the Pharmaceutical Society); C. R. Dimond, Cardiff; W. Hennigan, Edinburgh.

PACKAGING CODE

Acting on the detailed instructions of the Anglo-American Packaging Committee of the Ministry of Production, and with the co-operation of various other ministries, and numerous industrial and trade organisations, the British Standards Institution has produced an imposing "Packaging Code" (BS 1133, 1943). The code consists of sixteen sections and two appendices, each of which can be removed from a stout loose-leaf binding for use separately, if desired. The code deals with the packaging of Government stores and supplies. Details are given of types of wrappers and containers available under war conditions, together with general specifications. The code includes sections on handling containers; paper wrappers, including cellulose film; wooden and metal containers; sacks; sealing tapes; methods of test, etc. There is a classification of articles and commodities, which includes Class 20 (Drugs and Chemicals, in bottles), 21 (Chemicals, inert, powdered or granular, in bulk), and 22 (Chemicals, inert, powdered or granular, in containers). Copies may be obtained from the Institution at 28 Victoria Street, London, S.W.1, price 5s. each, plus 10d. for postage and packing.

TRADE MARKS

(*From "The Trade Marks Journal," April* 12)

"AMBRESET"; for soaps, perfumery, essential oils, non-medicated toilet preparations, cosmetic preparations, hair lotions and dentifrices (3). By Aristol-Ambresils, Ltd., 6 Tower Street, Harrogate. 626,904 (Associated).

"CEUTICO"; for pharmaceutical preparations for treatment of the skin (5). By Mary I. Downing, 32 Hillside Avenue, Clarkesfield, Oldham. 625,876.

"CARBLAX"; for laxative medicines (5). By A. Gross and H. Liebermann, 43–45 Piazza Chambers, Covent Garden, London, W.C.2. 625,983.

"LYCO"; for yeast prepared for pharmaceutical purposes (5). By The Standard Yeast Co., Ltd., Church Street, Chiswick, London, W.4. 626,351 (Associated).

"PORTEX"; for surgical bandages, dressings, etc. (5). By Portland Plastics, Ltd., 214 Great Portland Street, London, W.1. 626,861 (Associated).

"POMP"; for insect destroying and repelling preparations, and larvæ exterminating preparations (5). By R. Demuth, Ltd., 68 Salusbury Road, London, N.W.6. 626,967.

"CAFACO"; for all goods (5). By Brook, Parker & Co., Ltd., Ashfield, Horton Road, Bradford. 626,993.

"LAVAPINE"; for antiseptics and disinfectants, all containing pine extract (5). By Lavapine, Ltd., 31 South Ward Road, Dundee. 627,181.

(*From "The Trade Marks Journal," April* 19)

"GARBRITOL"; for goods (1), non-medicated toilet preparations, etc. (3), waxes (4), and for pharmaceutical substances for human and veterinary use, disinfectants, weed killers and vermin destroyers (5). "LANBRITOL"; for goods (1), non-medicated toilet preparations, etc. (3), and for waxes (4). By The Gardinol Chemical Co., Ltd., 78–80 New Street, Milnsbridge, Huddersfield. 626,973–76, 626,977–79 (All Associated).

"PUROSAN"; for water-softening preparations (1) and for detergents (3). By Pritchards, Ltd., 2 Bulkeley Road, Cheadle, Cheshire. 627,143–44 (Associated).

"DURENE"; for non-medicated toilet preparations, etc. (3), and for all goods (5). By Koray, Ltd., 56 Gamage Building, Holborn, London, E.C.1. 625,339–40 (Associated).

"STEINER" (word disclaimed except as written in form of application); for perfumery, non-medicated toilet preparations, cosmetic preparations and dentifrices (3). By H. D. Steiner, 8 Grosvenor Street, Bond Street, London, W.1. 626,146.

"R. E. EBERHARDIE" facsimile signature; for non-medicated toilet preparations and cosmetic preparations (3). By R. E. Eberhardie, 2 Pinner Road, Harrow, Middlesex. 626,586.

"BEEKILSTROYD"; for preparations for exterminating beetles, etc. (5). By Germstroyd Products, Ltd., Anchor Works, Asfordby Street, Leicester. 626,947 (Associated).

"AKTATONE"; for pharmaceutical preparatio for human use in treatment of vitami deficiency (5). By Nicholas Proprietar Ltd., 10 City Road, South Melbourn Victoria, Australia. 623,031 (Associated).

"PSYLORTOX"; for insecticides and fungicid (5). By Pest Control, Ltd., Harston, Can bridgeshire. 626,273.

"MEDANA"; for pharmaceutical preparatio (5). By G. W. Taylor, 40 Duncombe Stree Walkley, Sheffield. 626,453.

"DIASIL"; for pharmaceutical preparatio for internal use and for application wounds and to the skin (5). By Bay Products, Ltd., 14 Waterloo Place, Londo S.W.1. 626,889.

"GAYN-GEST"; for pharmaceutical prepar tions for internal human use (5). By L. Hellens, North Hill Pharmacy, Plymoutl 627,194.

"LILLET" and "LILLETS"; for menstruatio appliances (5). By Lilia, Ltd., Parago Works, Neptune Street, Hull. 627,233–3 (Associated).

"PHYTOSAN"; for insecticides, larvicide fungicides, weed killers (5). By Britis Schering, Ltd., 185–90 High Holbor London, W.C.1. 627,379.

"YEAMAT"; for pharmaceutical tonic prepar tions (5). By Granto Laboratories, Ltd 108 Mortlake Road, Kew, Surrey. 627,391

APPLICATION AMENDMENT

According to "The Trade Marks Journal, April 19, 1944, specification No. 623,90 by J. E. Cross, has been altered so as to rea "Pharmaceutical preparations in tablet forn but not including tablets for use in th treatment of indigestion."

(*From "The Trade Marks Journal," April* 26)

"VIVICILLIN"; for pharmaceutical substance and preparations (5). By Watford Chemic Co., Ltd., 11 Waterloo Place, London, S.W.1 627,581.

"VINFERRADE"; for medicated tonic wine (5 By Brook, Parker & Co., Ltd., Ashfield Horton Road, Bradford. 627,610.

"NUTRI COLA"; for preparations, all contain ing extract of the cola nut, for making carbonated non-alcoholic cola beverage (32). By Victor Syrup Corporation, 43–4 Thirty-Seventh Street, Long Island City New York, U.S.A. 624,847.

"C. & D." Quiz No. 27.—The answers to th questions on p. 483 are: 1. An ointment fo burns containing eucalyptus oil, zinc ointment hydrous wool fat in a white soft paraffin base 2. Oil of juniper. 3. The bark of *Serjani curassavica* from Brazil and containing th alkaloid timborine. 4. Butanedione, used as a odorant principle for margarine. 5. The rhizom and roots of caulophyllum. 6. Saw palmett berries. 7. The fruit of *Arachis hypogea*. 8. Rice polishings or tikitiki, in the U.S.P. 9 A gastric antacid, with the advantage that i combines only with free acid and does no produce alkalosis. 10. Sodium sulphate.

TRADE REPORT

ot quotations for pharmaceutical chemicals, crude drugs and essential oils represent e prices for wholesale quantities of standard quality. C.i.f. quotations do not include arine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, May 3

Marking time" would perhaps be a good scription to apply to conditions in the ndon drug and chemicals markets during e past week. Business, though fairly eady, has been confined to quite modest nsactions in goods required by home anufacturers for immediate consumption. ice changes have been small and without rticular significance, the general tone maining firm. In Pharmaceutical emicals, reports from makers indicate condition of "no change" on the week, th business proceeding along routine lines. o important developments have occurred the supply position.

rude Drugs

The keenest demand in this section of e market appears to be for Ipecacuanha, t no stocks are available at present to eet consumers' requirements; as noted cently, supplies of the liquid extract are so exhausted, with little prospect of placement in the near future. A little siness is reported in Agar at the price escribed by the official order. Balsam olu is still absent from the markets, but me allocations that will relieve the posi- on in due course have been granted; Peru steady at the lower figure given last eek. The few remaining cases of Benzoin ould fetch a rather higher price. Existing cks of Camphor are quite small, and may acquired only by approved buyers. ardamoms are neglected and without notable change. Little activity can be corded in Chillies or other spice pro- ucts; wormy and broken Nutmegs are a action dearer on the spot. Digitalis aves are steady at previously quoted gures. Nothing of interest has transpired Ergot, spot supplies of which are meagre. ussian Liquorice root can be obtained for harmaceutical purposes. Menthol seems have disappeared from the market, but nsumers are apparently finding a few nall odd lots to meet immediate require- ents. Rhubarb continues in good demand steady prices. Prices of imported Seeds e unchanged, with little business passing. ragacanth continues in fair inquiry at naltered rates. Increased prices are noti- d for Carnauba wax.

Senega Root and Wild Cherry Bark

The Directorate of Medical Supplies have informed the Botanical Drug Importers' section of the London Chamber of Commerce, 69 Cannon Street, London, E.C.4, that they propose to recommend import licences for limited quantities of senega root and wild cherry bark during the period ending April 30, 1945, and have asked the section to arrange with the importers concerned for their importation. For this purpose, therefore, the Botanical Drug Importers' section will be glad to hear, not later than May 12, 1944, from firms who, during the years 1936 to 1941 inclusive, imported these drugs. By "imported" is meant arranged the shipment and paid the overseas supplier. On receipt of this information the section will send qualified importers the necessary forms of declaration on which returns of importations can be made and which will form the basis of the section's recommendations to the Directorate of Medical Supplies.

Essential Oils

In the present condition of these markets little change can be expected from week to week. While there is no lack of buyers, stocks of the "free" oils have in many instances diminished to disappearing point. Anise (star) and Peppermint are both in exceedingly short supply. Eucalyptus is scarce and dearer. Gingergrass is fairly plentiful, but Lemongrass is short. English distillers' prices for Clove and Nutmeg are unchanged. No alterations have occurred in the controlled essential oils. Two changes in imported animal fats are noted, but existing prices of refined oils and other imported edible animal fats allocated to primary wholesalers and large trade users for the eight-week period April 30 to June 24 are maintained at former levels.

Exchange Rates on London

During April no alterations occurred in the foreign exchange rates on London. Bank of England fixed rates include: New York, 4.03 dollars; Montreal, 4.45 dollars; Dutch West Indies, 7.60 florins; Lisbon, 100 escudos; Stockholm, 16.90 kroner. The Spanish rate is steady at 44 pesetas, and the Chinese national dollar is unchanged at $3\frac{1}{16}$d.

Pharmaceutical Chemicals

ALLOBARBITONE.—Quoted by makers at 6os. per lb.

ATROPINE.—Makers' current prices per oz. are as follows: ALKALOID, B.P.—1 oz., 35s.; 4 oz., 34s. 6d.; 25 oz., 34s. SULPHATE, B.P.—1 oz., 28s.; 4 oz., 27s. 6d.; 25 oz., 27s. METHYL BROMIDE and METHYL NITRATE.—1 oz., 65s.

BARIUM SULPHATE (*x*-RAY).—Quoted at the following rates per lb. in quantities of 28 lb.–1 cwt. (containers in brackets): 1s. 5½d. (1-lb.); 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb.); 1s. 2d. (28-lb.).

BENZYL BENZOATE.—Quoted at from 4s. to 4s. 6d. per lb., according to quantity, for medical purposes.

BISMUTH CO. PULV., N.F.—Makers' prices per lb., in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 2s. 3½d. (1-lb.); 2s. 2d. (4-lb.); 2s. 1d. (7-lb.); 2s. (28 lb.).

BROMIDES.—POTASSIUM is quoted by makers at the following prices per lb., in lots of from 28 lb. (containers in brackets): 3s. 5¼d. (1-lb.); 3s. 3¾d. (4-lb.); 3s. 2¾d. (7-lb.); 3s. 2¼d. (14-lb.); 3s. 1¾d. (28-lb.). SODIUM, ¾d. per lb. extra; AMMONIUM, 2¾d. per lb. extra; powder, 2d. per lb. extra.

CODEINE.—Makers' prices per oz. are as follows: ALKALOID.—½ oz., 48s. 3d.; 1 oz., 45s. 9d.; 2 oz., 44s. 3d.; 3 oz., 43s. 6d.; 4 oz., 43s. 3d. HYDROCHLORIDE.—½ oz., 42s.; 1 oz., 39s. 6d.; 2 oz., 38s.; 3 oz., 37s. 3d.; 4 oz., 37s. PHOSPHATE.—½ oz., 37s. 9d.; 1 oz., 35s. 3d., 2 oz., 33s. 9d.; 3 oz., 33s.; 4 oz., 32s. 9d.

CREAM OF TARTAR.—British makers' price remains at 262s. per cwt., less 2½ per cent.

DEXTROSE.—Current prices per lb., in lots of 28 lb.–1 cwt., are as follows (containers in brackets): 1s. 2¼d. (1-lb.); 1s. 1¼d. (2-lb.); 1s. 0¾d. (4-lb.); 11¾d. (7-lb.); 11¼d. (14-lb.); 10¾d. (28-lb.).

DIAMORPHINE.—Current rates per oz. for small quantities are as follows: ALKALOID.—½ oz., 54s.; 1 oz., 51s. 6d.; 2 oz., 50s.; 3 oz., 49s. 3d.; 4 oz., 49s. HYDROCHLORIDE.—½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

ETHYLMORPHINE.—Current prices per oz. for small quantities are as follows: ALKALOID.—½ oz., 51s.; 1 oz., 48s. 6d.; 2 oz., 47s.; 3 oz., 46s. 3d.; 4 oz., 46s. HYDROCHLORIDE.—½ oz., 43s.; 1 oz., 40s. 6d.; 2 oz., 39s.; 3 oz., 38s. 3d.; 4 oz., 38s.

SULPHANILAMIDE.—Steady at from 10s. 6d. to 11s. per lb., according to quantity.

TANNIC ACID (LEVIS EX ETHER).—Quoted at from 10s. 6d. to 11s. per lb., according to quantity.

TERPINEOL.—For medicinal use only at from 3s. 3d. to 4s. per lb., for B.P.C. quality.

VANILLIN.—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

Crude Drugs

AMMONIACUM.—Available on spot at 2s. pe lb. for ordinary drops.

ARECA NUTS.—Dealers' price is steady at 115s per cwt., ex store, for spot supplies.

BALSAMS.—*Tolu* and *Copaiba* are still un obtainable. *Peru* is steady at 7s. 9d. per lb and *Canada* at 10s.

BELLADONNA.—Spot price of Indian leaf 0·4 per cent., is steady at 5s. 3d. per lb. India root, 0·49 per cent., may be had at 500s. pe cwt., and 0·36 per cent. at 330s.

BENZOIN.—About £35 per cwt. is now bein asked for the remaining few cases.

CAMPHOR.—Chinese crude, in small compas on spot, 10s. per lb. to approved users; B.P. also in small lots, 11s. 6d.

CARDAMOMS.—Aleppy greens are quoted o spot at 5s. 6d. per lb., and Aleppy seed a 6s. 6d.; split seed is at 5s. 6d.

CHAULMOOGRA.—*Hydnocarpus*, spot, 1s. 6d per lb., in tins in cases.

CHILLIES.—Mombasa continues to be th only variety offered; spot price is steady a 115s. per cwt., sellers.

CLOVES.—Sellers of Zanzibar on spot at 1s. 2d per lb.; second-quality, to arrive, 10d. per lb. c.i.f., sellers.

COCHINEAL.—Spot supplies of blacks in firs hands are exhausted, but new allocations hav been granted.

COLOCYNTH.—Fair white pulp is available o spot at 2s. 10½d. per lb.

DIGITALIS LEAVES.—Steady at previously quoted rates. Portuguese, spot, 135s. to 140s per cwt., according to holder; English-grown leaves, 2s. 6d. per lb.

DRAGON'S BLOOD.—Spot supplies are exceedingly difficult to find; only dull Zanzibar drop would be available, price of which would be £23 per cwt.

ERGOT.—In short supply at from 6s. 3d. to 6s. 6d. per lb., according to holder.

GUM ACACIA.—Kordofan cleaned sorts, spot 80s. per cwt.; bleached, shipment, 140s., c.i.f. Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian leaf, spot, 250s. to 275s per cwt., according to holder, with some low testing material at 1s. 3d. per lb. Russian leaf is available at 350s. per cwt.

IPECACUANHA.—Spot supplies of both root and liquid extract are exhausted.

JALAP.—Spot supplies appear to be exhausted.

KAMALA.—Material with ash under 6 per cent. would be worth 1s. 9d. per lb.

LIQUORICE ROOT.—Russian root can be bought for pharmaceutical purposes at 85s. per cwt. Single-peeled Syrian, spot, 110s. per cwt., subject to D.M.S. approval.

MENTHOL.—Nothing appears to be available on the market, but consumers are finding small odd lots. Some recent offers are reported from

zil at 90s. per lb., landed duty paid, but it ns that America is paying higher prices.

IYRRH.—Good Aden sorts would be valued £20 per cwt., on spot.

UTMEGS.—West Indian, wormy and broken, 5d. per lb.; sound unassorted, 1s. 7½d.

UX VOMICA.—Spot offers of Cochin are at per cwt.; shipment, 35s., c.i.f.; forward e of Cocanada seeds would be 32s. 6d. per ., c.i.f.

RANGE PEEL.—No spot supplies are avail-e.

EPPER.—Maximum prices of whole, not ed over or cleaned, on sale to processors, 1s. 4d. per lb. for white and 1s. per lb. for k, both duty paid.

IMENTO.—Spot price is unaltered at 1s. 5d. lb., sellers.

UILLAIA BARK.—Crushed or cut, spot, 90s. cwt.; natural, 75s.; shipment, 65s., c.i.f.

HUBARB.—Spot offers of rough-round are s. 6d. per lb., with flat high-dried at 10s.

ARSAPARILLA.—A few bales of native red be obtained on spot at 4s. 9d. to 5s. per lb.

EEDS.—Apart from a slightly improved de-nd for CORIANDER, there is little change to rd. Current values are as follows: CORI-ER.—Indian, 80s. per cwt. CUMIN.—tese, spot, 110s.; Indian, 105s. DILL.—s., ex wharf. FENNEL.—Offered at 85s. UGREEK.—May be had at 80s. MUSTARD. ontrolled prices are unchanged.

QUILL.—Steady, Portuguese bulb, spot, 75s. cwt.; Indian, 70s.

TRAMONIUM LEAVES.—East Indian are red on spot at 80s. per cwt.

RAGACANTH.—The principal medium grades quoted as follows: No. 1, white, £130 per .; No. 2, white, £115; No. 3, white, £100; 4, white, £85; pale leaf, £60; amber leaf, ; dark amber, £40; brown leaf, £30; red-brown leaf, £25; red leaf, from £20; hoggy, to £15.

URMERIC.—Steady and unchanged. Madras er, sound quality, spot, 52s. 6d. per cwt., don; 50s., Liverpool; 47s. 6d., Glasgow.

ALERIAN ROOT.—Indian is available on spot 05s. per cwt.

AXES.—BEES'.—Supplies may be obtained through members of the Association of chant Distributors of Beeswax; official es are as follows: Crude, 260s. to 290s. per .; refined, 315s. to 355s.; bleached, 340s. 370s.; Calcutta crude, 250s. to 270s.; utta bleached, 325s. to 335s. CARNAUBA.—ty grey, 440s. per cwt., ex store, in mini-n one-bag lots; shipment, 386s. 6d., c.i.f.; neira, 540s. per cwt., ex store, with stocks ce; shipment, 475s., c.i.f.; medium yellow, s. 6d. per cwt.; chalky grey, 430s. per cwt.; ment, 375s., c.i.f. (c.i.f. prices include ½ per t. W.R.I.). CANDELILLA.—Under 1 ton, s. per cwt.; 1–5 tons, 232s. 6d.; 5 tons and r, 230s., ex store; forward, 225s. per cwt.,

Essential and Expressed Oils

ANISE (STAR).—Price mentioned for any odd lots is in the region of 152s. 6d. per lb.

CASTOR.—Firsts are quoted at £92 per ton and seconds at £90, both naked ex works, in bulk quantities.

CINNAMON.—About 13s. 9d. per lb. would be wanted for leaf oil.

CLOVE.—English distillers' prices are unchanged at 11s. 6d. to 12s. per lb. for B.P. oil, according to quantity.

EUCALYPTUS.—Spot supplies are poor. Any available small quantities would be worth about 7s. 6d. per lb.

GERANIUM.—Genuine North African, spot, approximately 85s. to 90s. per lb., according to quantity.

GINGERGRASS.—Available on spot at 22s. 6d. per lb.

LEMONGRASS.—Not much available on spot; price nominal.

LINSEED.—Bulk price of crude is officially fixed at £60 per ton, naked ex works.

NUTMEG.—No change in English distillers' quotation at 40s. per lb., with lower rates for quantities.

OLIVE.—As noted last week, price of edible oil has been advanced from 19s. 9d. to 25s. 9d. per gallon of 9 lb., ex store.

PEPPERMINT.—Any small available supplies would be worth approximately 160s. to 170s. per lb.

Imported Animal Fats.—Empire edible tallow has been reduced by £3 per ton to £48 10s. per ton, and South American edible tallow by the same amount to £51 15s. per ton.

Controlled Essential Oils.—The following is the current schedule of prices for controlled essential oils. Prices are per lb., for oils delivered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled ..	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3¼d. (plus 1s. duty)
Caraway	20s. 4½d. (plus 1s. 10d. duty)
Wormseed	15s. (plus purchase tax where payable)
Cedarwood	3s. 1d. (plus 3d. duty)
Nutmeg	22s. 3d. (plus 2s. duty)
Fennel	11s. 3½d. (plus 1s. duty)
Coriander, Russian ..	127s. (plus 11s. 6d. duty)
Geranium, Bourbon	25s.
,, (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	27s. 7d. (plus 3s. 5d. duty).

As noted recently, the price to the user of West Indian distilled LIME OIL has been advanced to 50s. per lb., owing to differences in insurance rates. The figure is a maximum one and may vary.

MISCELLANEOUS INQUIRIES

Cellulose Paint Thinner.—*K. E. R.*—The "thinner" for cellulose paint is a mixture of equal parts of acetone and amyl acetate. Acetone with 10 per cent. cyclohexanol is sometimes used.

Petrifying Liquid. — *G. D.* — Petrifying liquid used by builders is commercial waterglass, suitably diluted with water. A coating of lime wash is often applied afterwards, to render the application insoluble.

Peppermint Oil.—*I. C.*—Triple-distilled peppermint oil from *Mentha piperita* should contain from 4 to 9 per cent. of esters, calculated as menthyl acetate, and at least 46 per cent. of free menthol. Apart from small quantities of aldehydes and acids, the terpenes (*d*- and *l*-apinene, phellandrene and *l*-limonene) represent the rest of the oil. Japanese oil, from *Mentha arvensis*, contains up to 85 per cent. menthol and a sesquiterpene, mostly caryophyllene, as well as limonene and pinene.

Sulphonated Shampoo.—*S. O. N.*—A sulphonated fatty-alcohol powder may be made as follows:—

Sulphonated fatty alcohol ..	2
Borax	1
Boric acid	1

The amount required for one shampoo varies with the particular alcohol used. In general, ¼ oz. would be sufficient. As the sulphonated alcohols tend to remove all fatty substances from the scalp, it is advisable to recommend an application of brilliantine or pomade afterwards.

Stability of Solution.—*G. M. M.*—Diluted adrenaline solutions, especially if not prepared with sterilised distilled water, are always unstable and are best prepared as required. This is the usual hospital practice. In your second query you do not state the quantities of zinc. sulph. and ac. boric., but the usual formula of zinc. sulph. gr. 1 and acid. boric. gr. 4 in 1 fl. oz. is stable and remains clear. Distilled water is, of course, essential and, if your chemicals are pure, the fault seems to lie in the water.

Specific Gravities of Galenicals.—*S. B.*—It is impossible to give exact specific gravities for the galenical preparations you mention, as each varies within fairly wide limits owing to the different amounts of inert extractive. Your simplest plan, and one which is usually done by pharmacists, is to measure carefully 10 fl. oz. of the preparation and accurately weigh it. This weight divided by ten is the specific gravity. Even liq. morph. hyd., which contains n inert extractive, has a slightly varyin specific gravity.

Calcium Gluconate Solution.—*E. W. P.*—The 10 per cent. calcium gluconate solutio is, of course, supersaturated and, if there i the least trace of solid matter in the solu tion or the ampoule, a precipitate is inevit able. Sterilisation is best done in an auto clave. The presence of calcium gluco heptonate increases the solubility of th calcium gluconate, and the following i often used: Calcium gluconate, 73·35 calcium glucoheptonate, 30·0; water t 1,000. Boil, filter, fill into ampoules, an sterilise for one hour at 100° C.

Ridding a Horse of Lice.—*B. C.*—To ge rid of lice on a horse, the most effectiv preparation is an emulsion of paraffin an soft soap. This penetrates down to the skin

Paraffin	20 oz.
Soft soap	20 oz.
Water	2 gall.

Dissolve the soap in half the water, ad the paraffin to form an emulsion, and the add the rest of the water. It should b well sponged over the animal's body. I addition to frequent clearing of the stall of debris it is a good plan to spray or scrul the woodwork with the emulsion at six monthly intervals.

Frosting Glass.—*H. S.*—The followin processes are taken from "Pharmaceutica Formulas," Volume II:—

I

Gelatin	5 gm.
Water	100 c.c.
Dissolve and add	
Sodium fluoride	5 gm.

Shake vigorously and apply while warn to the glass, placing aside until dry. The immerse in dilute hydrochloric acid (th operation must be performed with du caution to avoid irritation of eyes or lungs) When dry, wash the glass with hot wate to remove the gelatin.

II

Gelatin	3 gm.
Water	100 c.c.
Sodium sulphate	2 gm.
Barium chloride	1·5 gm.

Dissolve the sodium sulphate and barium chloride each in 40 c.c. of water, and th gelatin in 20 c.c. of warm water. Add t the gelatin solution, first, the solution o barium chloride, then the solution o sodium sulphate. Shake and apply th mixture to the glass to be frosted.

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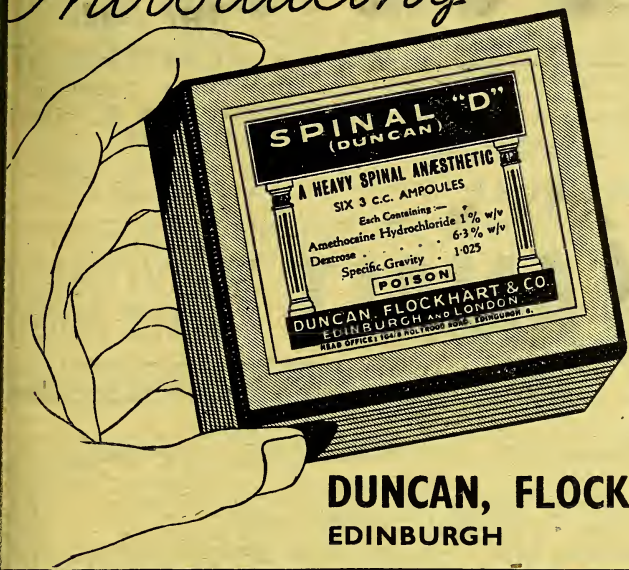

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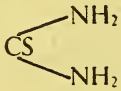

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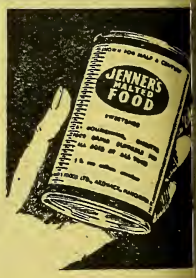

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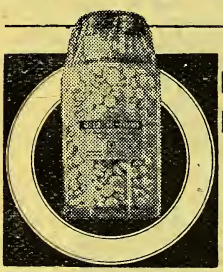

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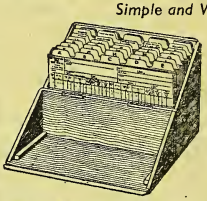

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IN TIMES OF DOUBTFUL VALUES THE PUBLIC DOES APPRECIATE QUALITY

That is the simple reason why FLYOL sells quicker than we can supply it. Sprayed in the home, green houses, stables, etc., FLYOL kills flies, moths, beetles, lice and all other insects.

★ *Please order well in advance as delays are inevitable.*

SOLE MAKERS

FUBEX LIMITED

22·HIGH ST·KINGSTON-ON-THAMES

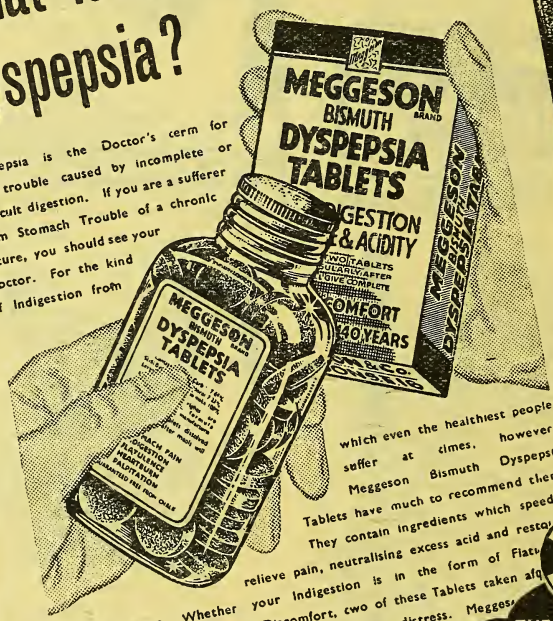
One of the advertisements from the new National Advertising campaign for

MEGGESON

BISMUTH DYSPEPSIA TABLETS

What is the meaning of Dyspepsia?

Dyspepsia is the Doctor's term for the trouble caused by incomplete or difficult digestion. If you are a sufferer from Stomach Trouble of a chronic nature, you should see your Doctor. For the kind of Indigestion from



which even the healthiest people suffer at times, however, Meggeson Bismuth Dyspepsia Tablets have much to recommend them. They contain ingredients which speedily relieve pain, neutralising excess acid and restor stomach balance. Whether your Indigestion is in the form of Flatu Heartburn, or general Stomach Discomfort, two of these Tablets taken aft meal (you suck them like sweets) will prevent distress. Meggeso Dyspepsia Tablets may be obtained from qualified chemists onl issued by The House of Meggeson, famous for

CHEMIST'S FORMULA

THE PRODUCT YOU CAN RECOMMEND FOR *Prestige* AS WELL AS PROFIT

MEGGESON & CO. LTD., LONDON, S.E.16.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 6 1944

plement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY week of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

Council Election 1944

MAWER

MELHUISH

PARRY

WELLS

YOUNG

The five retiring Members have been actively engaged in planning the Pharmaceutical development of the future. For example :—

1. **Demobilised Pharmacists.** Refresher courses and complete reinstatement.
2. **Beveridge.** Development of professional opportunities and measures designed to prevent exploitation of pharmacists and the public by financial interests.
3. **Proprietary Medicines.** Extended control of manufacture, advertising and distribution.
4. **The Society.** Closer co-operation under the aegis of the Society between pharmacists, whether employers, employees, hospital, wholesale or manufacturing.

Men with expert knowledge and long experience are essential to carry out this work.

PROTECT YOUR INTERESTS.

HAVE YOU VOTED?

PREMISES TO LET

USE and Shop, near Town Hall, Camberwell, for many years Chemist and Druggists; accomtion six rooms; rent, £75 per annum; fittings be purchased. Stimson & Sons, Estate Agents, 3 Walworth Road, S.E.17.

SITUATIONS OPEN

for 40 words or less, 2d. for every additional word.

loyment of Women (Control of Engagements Order 1942)

certain exceptions, women over 18 and under 41 of age seeking Employment and Employers seeking gage such women are now required to do so only gh the local office of the Ministry of Labour and nal Service or an approved employment agency.

RETAIL (HOME)

SPENSERS and Assistants required for holiday relief; students at pharmacy colleges, please ; Central London. "A," 564/236, C. & D. on Office.

OY Pharmacist required in Lancs Town. Well experienced in General Pharmacy. To manage business. Permanency; good wages and nission. 563/197, C. & D. London Office.

LONDON, E.8. Dispenser, Qualified or Unqualified, either sex, used to quick heavy N.H.I. Permanent, congenial position; good salary. Land, 938 Romford Road, E.12. Ilford 0843.

LONDON CO-OPERATIVE CHEMISTS, LTD., invite applications from qualified Pharmacists for progressive positions with post-war prospects in the Leyton, Edgware and Eastern suburban areas. Applications stating full details and experience should be submitted to Chief Pharmacist, 54 Maryland Street, Stratford, London, E.15.

MANCHESTER. Manager required for Heaton Park Branch; exempt; no Sunday or half-day closing duty; living accommodation. Apply, giving usual particulars, Shepherd, 48 Bury New Road, Prestwich.

MANCHESTER. Qualified M.P.S. required at once, Permanency or Locum. Easy post with assistance; either sex. Would suit elderly. Apply, giving usual particulars and salary required. 565/258, C. & D. London Office.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from Pharmacists and Unqualified Persons requiring Situations, except women between the ages of 18 and 41. Progressive vacancies available. Excellent opportunities exist for Unqualified Assistants.

NORTH-EAST Coast. Required immediately, Assistant, qualified; exempt military service; conversant with all recent advances in pharmacy; quick and accurate dispenser. 564/226, C. & D. London Office.

PHARMACIST and Optician (lady or gentleman) required by end of May; good prospects to suitable applicant. Full particulars in first letter to W. E. Partridge, Managing Director, E.N.T. Manufacturing Co., Ltd., 433 Gloucester Road, Bristol, 7.

PRESTON. Qualified Branch Manager required for Dispensing and Family business. Permanent post. Good prospects. 566/290, C. & D. London Office.

QUALIFIED Chemist, or Chemist-optician, required; exceptional opportunity for energetic Manager; good pay, good commission, good prospects; permanency. Press Pharmacies, Ltd., 91 Cricklewood Lane, N.W.2. GLA 4681.

REQUIRED full or part-time, lady or gentleman, unqualified Assistant for Dispensing and Manufacture of pharmacist's own products. No half-day or Sunday duty. Summer holiday this year. Ealing district. State age, experience and salary required. 566/296, C. & D. London Office.

UNQUALIFIED Assistant (exempt of military) for drug and surgical company; permanency; easy hours; no dispensing; North Midlands; full particulars. 564/249, C. & D. London Office.

UNQUALIFIED Assistant required, male or female, in high-class pharmacy for dispensing and counter; no Sunday or half-day duty; permanent position, with good prospects for suitable applicant. Full particulars, stating age, experience, and salary expected, to Chas. F. Thackray, Ltd., 10 Park Street, Leeds, 1.

LOCUMS WANTED

LOCUM Tenens. Please advise any free dates between May and September. Vacancies at Walsall and Bilston (Staffs), also Erdington, Birmingham. Adequate and competent staffs at each pharmacy. Congenial work. No Sunday duties. State salary required. Shelley, Caldmore, Walsall. Ring 4248.

LONG-TERM Qualified Locums required by London Co-operative Chemists, Ltd., for the summer period; work to be undertaken in the London suburbs north side of the Thames; good wages and third-class expenses will be paid. Application in the first instance to Chief Pharmacist, 54 Maryland Street, Stratford, London, E.15.

OXFORD. Qualified locum (male) required for good-class dispensing business, June 12–24 inclusive, or July 10–22 inclusive. No Sunday duty. Please send particulars, references, salary required. 565/265, C. & D. London Office.

QUALIFIED Locum required from June 5 to 10, 1944, and any other three weeks prior to September 1944. Full particulars to the Secretary, Scunthorpe Co-operative Society, Ltd., 180 High Street, Scunthorpe.

QUALIFIED Locum, lady or gentleman, required for two weeks, May or June, or nearest date available. N.H.I. dispensing chiefly. Please reply, stating salary to Bradley Embleton (Chemists), Ltd., 353 Roman Road, Bow, London, E.3.

WHOLESALE

APPLICATIONS are invited for the appointment of Chemist to a well-known firm of Manufacturing Chemists. Applicants, who should be qualified and not more than 40 years of age, must have had extensive practical experience in the creation and large-scale manufacture of Toilet Preparations and Proprietary Medicines. The commencing salary will be not less than £800 per annum, and there are excellent prospects of advancement for the right man. As this appointment is for post-war development and need not necessarily be made immediately, applications will be welcome from those who are not free to take up other employment until after the war. Address, 565/278, C. & D. London Office.

AN experienced Assistant required for measur and fitting Trusses, Belts, and other Medi Appliances, with knowledge of Surgical Instrumer Sundries and Accessories. Apply, with full p ticulars, to John Richardson & Co., Ltd., 62 Evingt Valley Road, Leicester.

AN opening occurs for a good Salesman regula calling on high-class Chemists in the Birmingh area and also in the Bristol area to sell adverti proprietary line. Write giving details of experie and salary required to: Pure Products, Ltd., Colwi nr. Nottingham.

CHEMICAL Process Worker required, at once, essential works; permanency for suitable plicant. Apply, Ciba Limited, Horsham.

EXPERIENCED full-time Representatives quired to introduce nationally-advertised P prietary lines to Chemists, London and Provinc Good connexion amongst Chemists essential. Sala commission, expenses. Send fullest particulars confidence, stating territories covered. Box W504 Haddons, Salisbury Square, London, E.C.4.

LABORATORY Assistant, Intermediate standa wanted for Analytical Laboratory of W London firm of Pharmaceutical Manufacturers gaged on essential Government work. Apply to Ch Chemist, c/o R. C. N., Ltd., 2 Arundel Street, W.C

LONDON manufacturing chemists require capa person to supervise ampouling, compound and packing of medical products; previous wholes experience preferred, but not essential; full det and salary required. 564/222, C. & D. London Offi

MANUFACTURING CHEMIST WANTED

A firm of national importance, with large Hom and Export Trade, requires a Chemist wit sound experience in the manufacture of medi cinal preparations, including mixtures, powders tablets, ointments, antiseptics, etc. The pos offers exceptional post-war prospects, and to a keen man of real ability (who must be exempt a generous salary will be paid. Please appl giving full details of experience, age, etc., i confidence to 564/232, C. & D. London Office.

MANUFACTURING Chemists in the North-w have vacancy for energetic and practi Pharmacist; excellent prospects; experience Tableting would be an advantage. Write, stating a experience, and salary required, 565/280, C. & London Office.

MESSRS. T. H. FORD, LTD., Surgical Dressi Manufacturers and Chemists' Sundriesm require a Representative (either sex, but free fr liability to National Service) for London area, salary, commission, and expenses basis. Write particulars of experience to Secretary, T. H. Fo Ltd., 13 Aldersgate Street, London, E.C.1.

M.P.S. required by small laboratories in He fordshire. Good salary; permanent po Would suit retired man living North London, L.N.E.R. State salary required and experien 566/297, C. & D. London Office.

PROGRESSIVE Organisation requires Quali Chemist for Pharmacy Department. Either s exempt national service. Good salary and prospe 444/353, C. & D. London Office.

REPRESENTATIVES required for London a Home Counties and other districts for Bric fine chemicals, Gold Seal Label Packets, etc. Sal and commission. Permanency. Send details connexion, territory, copies of references to Bric Ltd., 4 Cavendish Place, London, W.1.

WHOLESALE Druggists' Sundriesman in E London district, requires capable person to t complete charge of old-established business. G post-war prospects to man of ability. Write stat particulars of experience, etc. 566/292, C. & London Office.

WORKS Chemist required for duration by S London manufacturing chemists. Previ wholesale experience desirable but not essent Ability in organisation and staff control requir 566/298, C. & D. London Office.

COLONIAL

OVERSEAS EMPLOYMENT

dical Stores Accountant required by the vernment of Tanganyika Territory for the dical Department for one tour of 2 to 3 years the first instance. Salary according to quali- tions and experience in the scale £372–£18– 0–£20–£600 plus cost of living allowance. e passages and quarters. Candidates must experienced stores accountants, preferably h experience in a firm of manufacturing mists.

pplications in writing (no interviews), stating e of birth, full details of qualifications and erience, including present employment; also ntity and National Service or other registra- n particulars, and quoting Order No. O.S. , should be addressed to the Ministry of our and National Service, Appointments partment, Sardinia Street, Kingsway, London, C.2.

SITUATIONS WANTED

for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

ISTANT, unqualified (51), married; exper- ienced Dispenser, Salesman, Window-dresser. preferred, not essential. 566/289, C. & D. on Office.

PENSER (woman), Hall certificate, 20 years' experience, desires position, whole or part time; on preferred; with Dr. or Medical Mission dis- r. 248 Queen's Road, S.E.14.

CTOR'S Dispenser. Hall qualification; dis- engaged. Whole or part-time. J. S. Marchant, teor Street, London, S.W.11.

GAGEMENT desired in or near Birmingham. Used to retail, wholesale and other branches of ade. E. Hanley, 64 Church Road, Erdington, ngham.

CUMS SEEKING ENGAGEMENT

PENSER/SECRETARY, Lady, Hall certifi- ate, experienced hospital and doctors. Vacan- ome 'locums,' might consider permanent part- Roynon, 112 Maryland Road, London, N.22 Park 1320.

UM disengaged, May 6 to 21. Few later dates en. Any distance. Bishop, White Hart Hotel, y-on-Thames.

RMACIST, experienced, West End, etc., book- ng Locums from June 4; preferably West End, London. Full details, please. 565/277, C. & D. on Office.

WHOLESALE

ERTISER, qualified (46), with a thorough knowledge of wholesale routine—buying, con- staff, the keeping of statistical records, adver- and medical propaganda—seeks suitable posi- ith post-war prospects; could invest capital if ed; good references. Replies treated in st confidence. 565/283, C. & D. London Office.

PHARM. Ph.C., exempt; extensive wholesale experience (including analysis and research, facture of pharmaceuticals, fine chemicals, ons, and cosmetics), seeks responsible position. full details. 566/299, C. & D. London Office.

MIST, energetic organiser, 16 years' experience ghly trained, age 33, seeks position with high sibility; cosmetic and soap expert. Would er partnership. 566/293, C. & D. London Office.

MIST manufacturing first-class cosmetic eparations and experience in waxless polishes, etants, etc., own formulas, wants situation. 4, C. & D. London Office.

COMMERCIAL Manager or Sales Manager. If any manufacturer of standing will be requiring a man with specialised commercial knowledge for post-war or earlier reorganisation, please write to 565/282, C. & D. London Office.

FIRST-CLASS Representative, 45, covering South-west England and South Wales, 10 years, is open for further representation. CDB/282, C. & D. London Office.

MEDICAL Representative, twenty years' experi- ence, highest references, desires to hear of position with view to South African representation after the war. 565/279, C. & D. London Office.

REPRESENTATIVE with well-established con- nexion, North-eastern Counties, requires another line, commercial basis. Wholesale and retail chemists, departmental stores and hairdressers. Would consider sole representation well-known line. 566/295, C. & D. London Office.

TRAVELLER wants good offer. Big connexion South-eastern and Southern Counties. Free from M.S. Excellent references; strong, healthy. Good Salesman. A, 54 Davis Road, Acton, London, W.3.

WELL-KNOWN Representative covering North Wales, Cheshire, and Liverpool area, seeks one additional line; only reputable firm considered. 565/284, C. & D. London Office.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

DOCTOR will be pleased to know of suitable site for commencing Private Practice. Country town in Midland, Western or South-western counties preferred. House (with garden) must be available. All replies treated confidentially and acknowledged. "Doctor," 565/264, C. & D. London Office.

LONDON Wholesale Chemists' Sundriesmen require additional lines. Write 566/302, C. & D. London Office.

MANUFACTURERS of ethical medical products would like to contact wholesale distributors with view to national distribution. 566/301, C. & D. London Office.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

SHARES. Qualified Chemist wishes to purchase shares in established good-class retail Chemists' businesses already organised as private limited companies. Ample funds available. Would assist in directing if desired. 566/288, C. & D. London Office.

WANTED, to purchase, manufacturing Chemist's business, including/or toilet goods; state range of goods, turnover, equipment, etc.; interview suggestions also. Rigortone Products, Ltd., Coquet Street, Newcastle-upon-Tyne, 1.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less.

Traders buying and selling hereunder must observe the Restriction of Resale Order S. R. & O. 1942 No. 958

A FEW thousand flat panelled Tablet Bottles, with screw tops; also various sizes of tablet, pill, or ointment boxes; ½-ton fly-paper gum. Particulars and samples sent on request. Offers invited for any or all of the above. Elliott, Kirkburton, Huddersfield.

ALBRO single-head vacuum-filling Machine, little used. Offers to Lapvaine Limited, South Ward Road, Dundee.

50 GROSS 4-oz. wide-neck Amber Jars, with black enamel caps; 33s. per gross; immediate delivery. 565/281, C. & D. London Office.

APPOINTMENTS

BRIGHTON. Part-time Dispenser. Three mornings weekly. Apply by letter to Secretary, Sussex Throat and Ear Hospital, Church Street, Brighton.

CONNAUGHT HOSPITAL, E.17

Qualified Assistant to Pharmacist (Hall Certificate) required. Applications, stating age, experience, salary required, and enclosing copies of not more than three testimonials to the undersigned. (Male candidates should state their position with regard to military service; women should not be liable for national service.) R. Halton Harrison, General Secretary.

COUNTY COUNCIL OF THE WEST RIDING OF YORKSHIRE

SUPPLY OF STORES, FURNITURE, ETC.

Applications are invited from persons and firms (particularly manufacturers) for permission to be placed on the list of persons and firms from whom the County Supplies Committee may from time to time invite quotations for various kinds of stores, such as Printing, Bookbinding, Motor Cartage, First-aid Appliances, etc., Engineers' Tools and Stores, Ironmongery, Metals, Hardware, Furniture (school and office), Soap, Paper (various kinds), Manufactured Stationery, Office Sundries, Textiles, Clothing, Haberdashery, Timber (soft and hard), Boot Leather and Leather Goods, Brushes for Cleaning, Chemicals, Drugs, Provisions.

Applications must be made on the official form, copies of which (together with standard conditions of supply) may be obtained from the Manager, County Supplies Department, Cliff Lane, Wakefield, Yorks.

Firms who have already applied and have received acknowledgment of the form need not make fresh application.

BERNARD KENYON,
County Hall, Clerk of the County Council.
Wakefield.

THE UNIVERSITY OF LIVERPOOL

The Council invites applications for the post of Assistant Lecturer (Grade III) in the Department of Inorganic and Physical Chemistry, at an initial salary of £350 per annum. If engaged in National Service, the person selected will not be required to take up the appointment until released from his present duties. Applications, together with the names of three referees, should be sent to the undersigned as soon as possible.

STANLEY DUMBELL,
April, 1944. Registrar.

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ASPIRIN Powder and/or Tablets required; buying commission offered to person introducing supplies. 565/285, C. & D. London Office.

ASPIRIN Powder, Crystals, Grans., and 5-grain tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., 40 Bavaria Road, Holloway, N.19.

CALABAR Beans unground required in large or small quantities for export from U.K. or African ports, letters of credit available. State quantity, lowest prices, full particulars. 565/276, C. & D. London Office.

GENTIAN Violet enteric-coated Pills or Capsul required in bulk by manufacturing chemist 564/223, C. & D. London Office.

OLD stocks wanted of Cassia Oil, Peppermint O Pennyroyal Oil, Spearmint Oil, and Aniseed O Particulars to 566/291, C. & D. London Office.

PINE Needle Oil and Bornyl Acetate, in large an small quantities, wanted. Send samples an prices to Promedico Products, Ltd., 21–22 Tur Road, London, N.4.

RYZAMIN B. Wanted any available stocks Ryzamin B. Full retail prices willingly pa plus all additional expenses. T. W. Salmon & So Ltd., 38 High Street, Stockton-on-Tees.

SIFTER Mixer. Gardner type or similar, capaci 100–300 lbs., required urgently; also En runner Mill up to 50-lbs. capacity. Full particula to R. S. L., 168–170 Stockwell Road, S.W.9.

SOAP Plodder. 10-in. to 12-in. Soap Plodd wanted at once; very good price paid. Shave Zee-Kol Co., Ltd., 40 Bavaria Road, Upper Hollowa London, N.19.

URGENTLY wanted, Paraf. Liq. B.P., for med cinal purposes only; 5–50 gall. lots. Thacke M.P.S., 8 Westbury Avenue, N.22.

WANTED Microscopes, all models, particular good outfits up to £300 or £400. High price immediate cash. Wallace Heaton, Ltd., 127 Ne Bond Street, W.1.

WANTED, ½-oz. to 2-oz. Bottles, screw cap cork. Must be made prior to July, 194 555/730, C. & D. London Office.

WANTED supplies of Pot. Hydroxyquinoli Sulphate, any quantities. 7 lb. to 112 l 564/235, C. & D. London Office.

WANTED, 20 cwt. Zinc Sulphide. 565/28 C. & D. London Office.

WANTED, Liq. Hamamelidis; large or sma quantities. High price paid. 565/287, C. & D London Office.

WANTED for Spot Cash. National, Remingto and Gledhill Cash Registers, all sizes, a immaterial; any quantity entertained. Amalg mated Business Machines, Ltd., 64 Mortimer Stree W.1. 'Phone: Museum 0941. Repairs, Sale Exchanges.

WANTED, two to six Rubber Bathing Caps. W pay good price or exchange for what you wi Available Henna and Liquid Glucose. Mr. B. Vine 222 Harrow Road, London, W.2. Cun. 1172.

AGENCIES

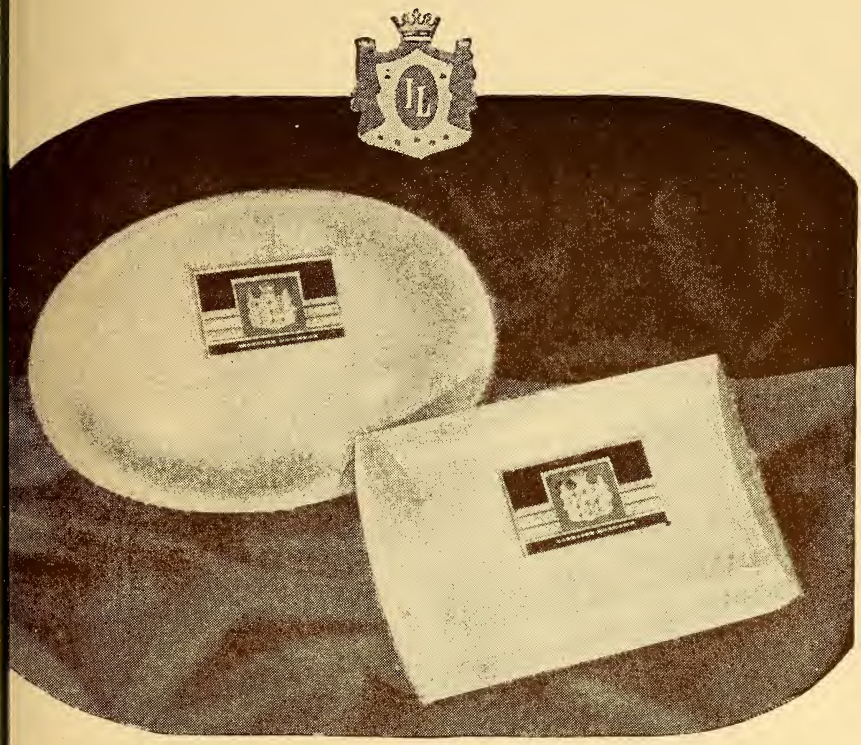
7/6 for 36 words or less, 2d. for every additional word.

A RELIABLE Parsee Firm of nearly fifty years' standing in Bombay, and representing British firms and manufacturers, desires further Agencies in patent medicines, drugs, chemicals, toilet requisites, provisions, paper, cutlery, etc. Messrs. Framjee & Son, P.O. Box 542, Nanjee Building, Elphinstone Circle, Fort, Bombay.

EIRE. Well-established Selling Agency wit storage and manufacturing facilities coverin the whole of Eire, seeking one or two addition lines on commission. Immediate or post-wa Box 032, c/o Erwoods, Ltd., 30 Bouverie Stree London, E.C.4.

M.P.S.I. (38), 18 years' experience Reta Pharmacy; large Capital availabl wishes to contact reputable manufacturer view Agency, and/or as Representative for Eire, now in post-war period. Highest references. Would spe period with manufacturer if required. 564/25 C. & D. London Office.

Printed by THE PITMAN PRESS, Lower Bristol Road, Bath, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2



IMPERIAL LEATHER

The Aristocrat of Toilet Soaps

The superb quality of Imperial Leather Toilet Soap has created a demand amongst discriminating people considerably in excess of present supply facilities. We feel sure the trade will appreciate that in the circumstances delays in meeting orders are unavoidable, but we assure them that every effort is being and will be made to secure equitable distribution.

USSONS SONS & CO. LTD., KERSAL VALE, MANCHESTER 7

A NAME THAT STANDS FOR
ACCURACY, UNIFORMITY AND PERFECTION
IN PILLS AND TABLETS

Arthur H.
COX
& CO. LIMITED
BRIGHTON

MANUFACTURING CHEMISTS
WITH MORE THAN
A CENTURY OF EXPERIENCE

Printed by THE PITMAN PRESS, Lower Bristol Road, Bath, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2